CHAPTER 1 INTRODUCTION 3

❖ Product Description 3

❖ About this user manual 3

CHAPTER 2 GETTING STARTED 4

❖ Program enhancements 4

❖ Starting a session 4

❖ Understanding the Program Interface 5

- Main interface 5
- Menus 5

❖ Main features 6

❖ Exit the program 9

❖ Install the program 9

❖ Uninstall the program 14

❖ Update the program 15

❖ Working environment 15

CHAPTER 3 OPENING PATENT DOCUMENT 16

❖ MS Word Add-ins: 16

❖ Ez mode 16

❖ Full mode 18

❖ Taskbar icon 20

❖ Create Comprehensive Report: 21

CHAPTER 4: ANALYZE CLAIMS 23

- Find claims 23
- Show the claim that contains noun phrase 26
- Edit noun phrases for each claim that is unlawful 26
- Report 27
- Show Claim Dependency 28
- Search Function 29
- Automatic sort functions 30

CHAPTER 5: ANALYZE SPECIFICATION 33

- Show the first sentence which contains the noun phrase 35
- Edit numbers for noun phrases that is unlawful 35
- Check existence of figures and to show paragraph contain them 38
- Report function 40
- Automatic sort functions 43

CHAPTER 6: ANALYZE TITLE AND ABSTRACT 47

CHAPTER 7 SEARCH ONLINE 50

- Search in text area and table: 50
  - Search Patent 50
  - Search Definition 53
  - Search Synonyms 56
- Manual search: 59

CHAPTER 8 TEMPLATE 61

CHAPTER 9 ERROR WHEN USE THE PROGRAM 63

Chapter 1 Introduction

Nowadays, the development of new technology has grown increasingly important as key driver for our life. Moreover, it also has strongly influenced on our values and the work of life in the society. Additionally, it became good tool to process some personal problems. Because of this, we want to develop a tool to help you can simply search, check and format ... information of your patent documents. Especially, for your patent documents are very complex and you cannot control it.

❖ Product Description

The PinPoint service is a productivity tool for practitioners who draft patent document applications. It provides an array tools designed to streamline complex tasks related searching, checking and formatting patent applications.

It designed to integrate into your existing document-drafting workflow. When you want to check and format your patent, you can open it by PinPoint to help for your work.

❖ About this user manual

This user manual contains all information help you to use the PinPoint service. It assumes that you have already installed the software. It is detailed instructions for use its functions and detailed installation instructions.

Chapter 2 Getting Started

Before using the PinPoint service for the first time, you should to know about basic information, including in these following sections:

❖ Program enhancements

This release includes these new features:

- Support to open patent file with its format is (*.doc), (*.docx), (*.txt) or (*.pdf).
- The ability to checks claim section across patent documents and update claims.
- The ability to checks reference number across patent documents and update it.
- Save file when it is changed.
- Open a template document to write patent.
- Choose appropriately online search service.
- Have a relationship with MS Word, automatically edit.

Note: The program only open (.docx) format if user's computer has installed MS Word 2007*

❖ Starting a session

After you install program, you can simple open the PinPoint to start the program. Then starting it, the program's interface runs and you can use some its functions.

Some steps to start a PinPoint session:

1. Run program.
2. Open the patent document that you want analyzer.
3. Click menu option corresponding to the PinPoint task you want to perform on the active patent document.

Note: you must open file that its format is (.doc), (*.docx), (*.txt) or (*.pdf)*

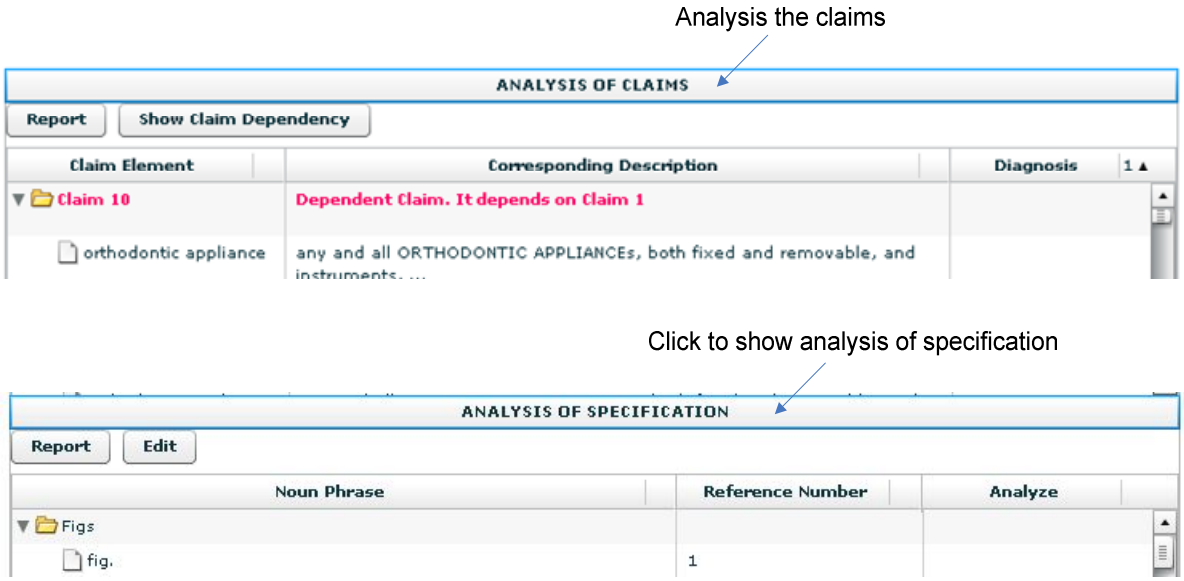
❖ Understanding the Program Interface

Program interface refer to the composite virtual components that provide functions and allow you to perform various other tasks. It includes:

- Main interface
- Menus

- Main interface

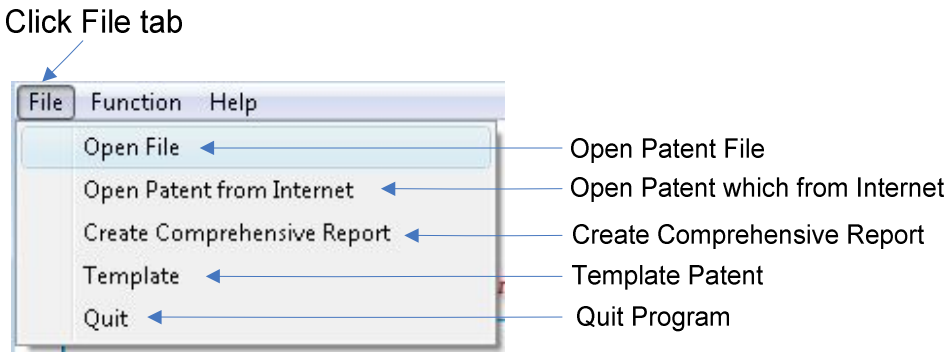
It contains tabs that you click to use popular features of the program. It show front of the program.



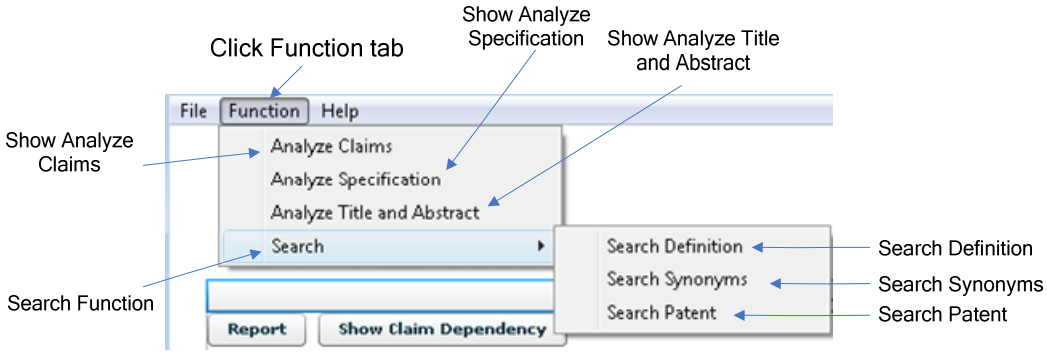
- Menus

Menus allow you to access program commands and initiate various tasks. When you start the program, it shows in the header of the program. It includes a list of functions in these following figures.

File:



Function:



Help:

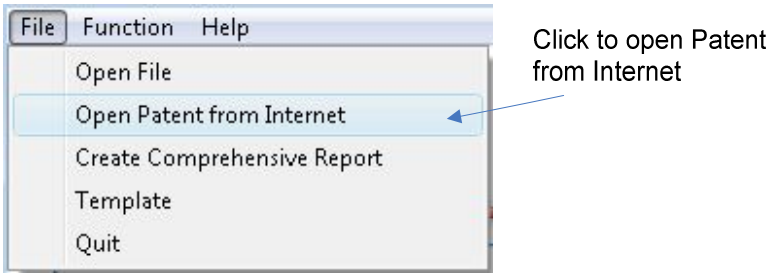
❖ Main features

- ➢ Open Patent from Internet.
- ➢ Analyze Claims.
- ➢ Analyze Specification.
- ➢ Analyze Title and Abstract.
- ➢ Search Functions.

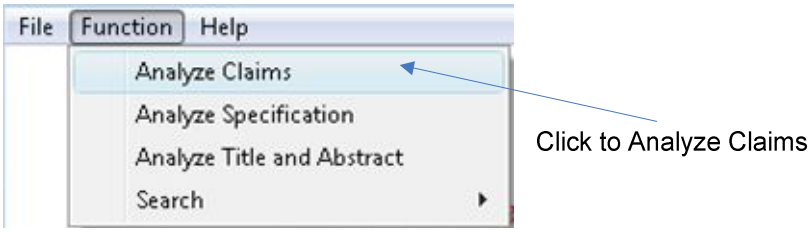
- Create Comprehensive Report.
- Report, Edit.

Before using any of these features, you need open file that you want to work.

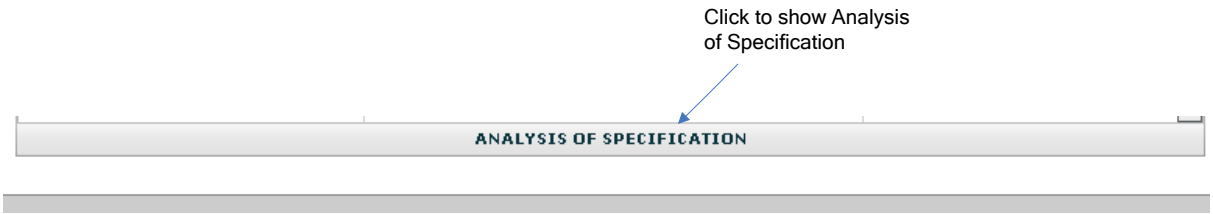
1. Open Patent from Internet by clicking “File” tab from menu then choose “Open Patent from Internet”.



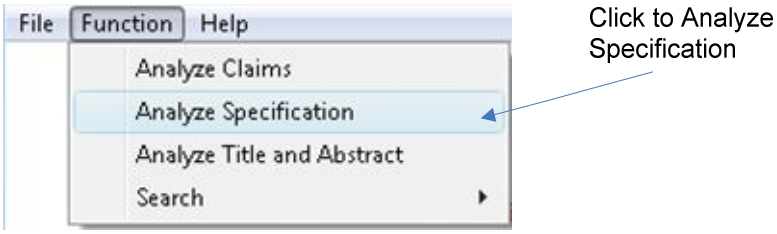
2. Analyze Claims is executed after the program open Patent file completely. Another way is bu clicking “Function” tab from menu then choose “Analyze Claims”.



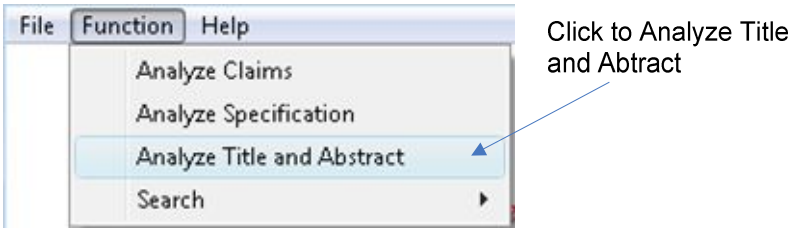
3. Analyze Specification is executed by clicking “ANALYSIS OF SPECIFICATION” tab. After that, click “ANALYSIS OF CLAIMS” tab if you want to open in full screen.



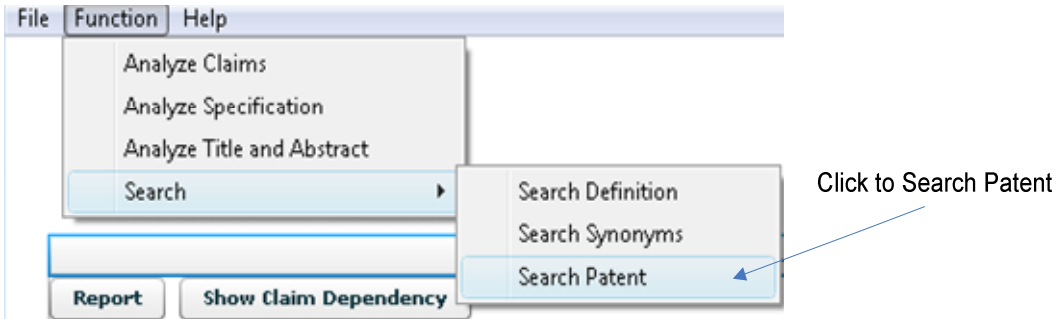
4. Another way, click “Function” tab from menu then choose “Analyze Specification”.



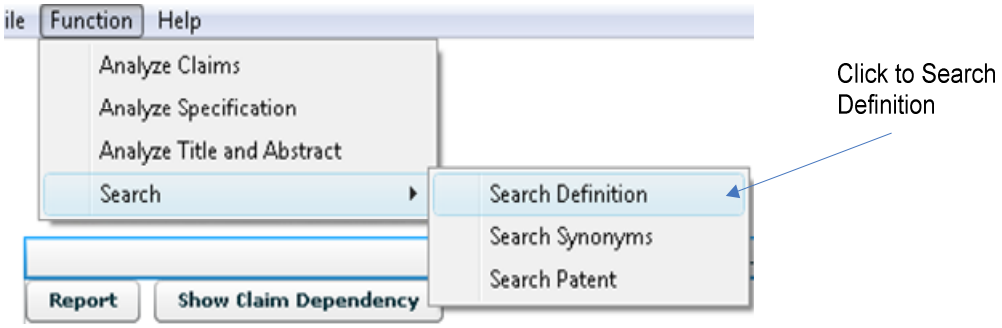
5. Analyze Title and Abstract is executed by clicking "Function" tab from menu then choose "Analyze Title and Abstract".



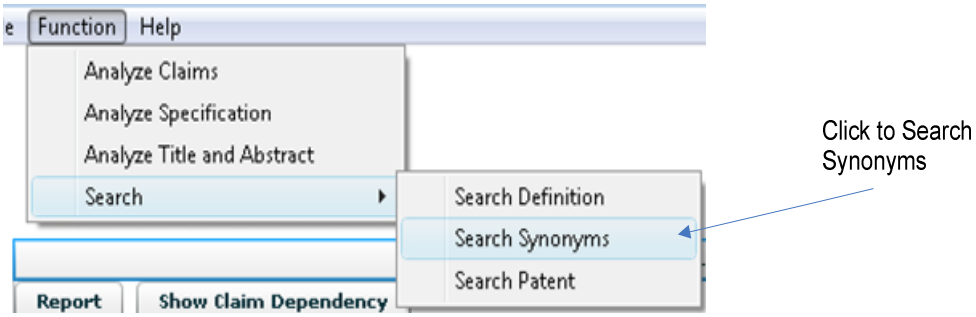
6. Search Patent is executed by clicking "Function" tab from menu, choose "Search" then choose "Search Patent".



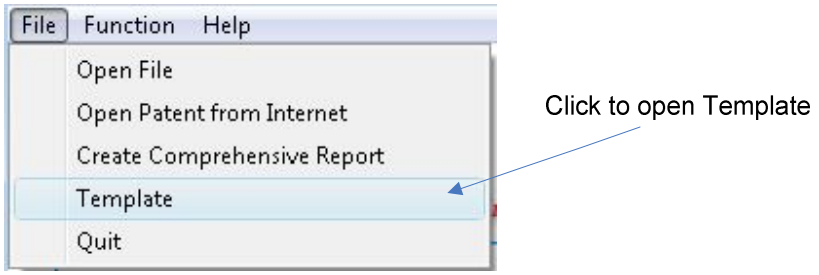
7. Search Definition is executed by clicking "Function" tab from menu, choose "Search" then choose "Search Definition".



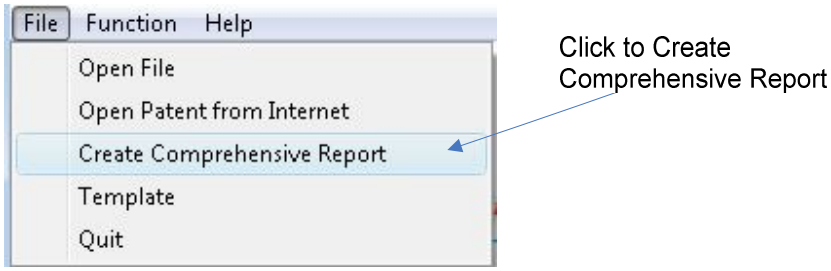
8. Search Synonyms is executed by clicking "Function" tab from menu, choose "Search" then choose "Search Synonyms".



9. Open Template is executed by clicking "File" tab from menu then choose "Template".



10. Create Comprehensive Report is executed by clicking "File" tab from menu then choose "Create Comprehensive Report".



❖ Exit the program

Exit PinPoint service is very simple by clicking "Quit" from menu "File" or to click left mouse to ( ) button at right and top angle.

❖ Install the program

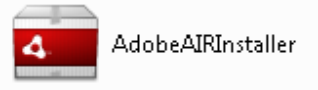
To start the program you need AIR environment. So, follow these steps.

- Install AIR plug-in:

  You must install AIR plug-in. You can download it from link

http://get.adobe.com/air/

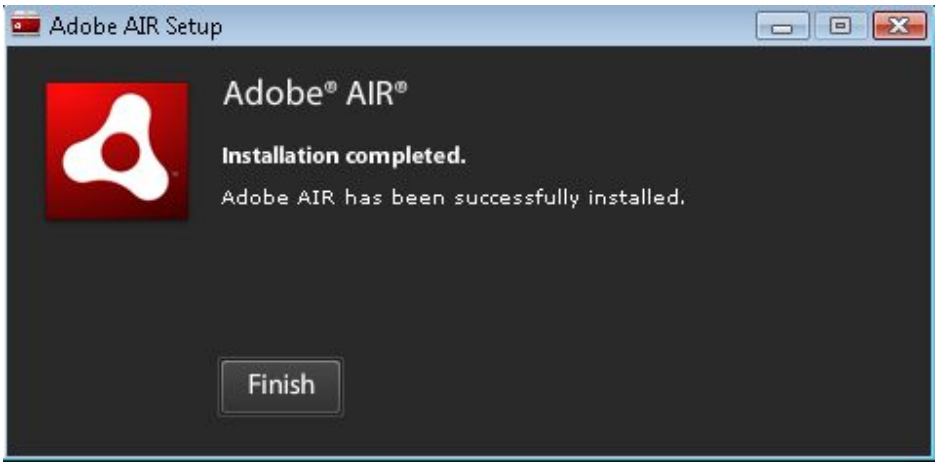
After download the newest version, click “AdobeAIRInstaller.exe”.



Secondly, choose “I Agree”

Adobe AIR Setup
Adobe® AIR®
Installer Setup
This installer will setup Adobe AIR, software that enables web-connected desktop applications. Please review and agree to the license agreement to continue.
ADOBE SYSTEMS INCORPORATED
Warranty Disclaimer and Software License Agreement.
THIS DOCUMENT INCLUDES WARRANTY INFORMATION (PART I) AND A LICENSE AGREEMENT GOVERNING THE USE OF ADOBE SOFTWARE (PART II).
PART I. WARRANTY DISCLAIMER.
By clicking the "I Agree" button I acknowledge that I have read and accept the terms of the above agreement.
I Agree
Cancel

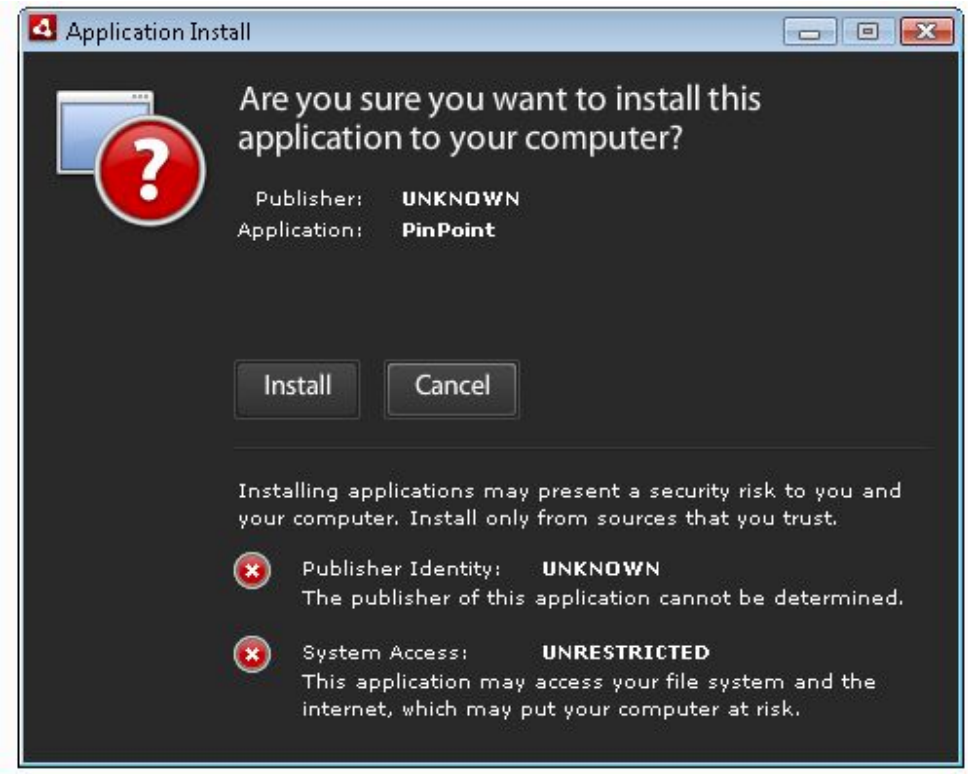
Thirdly, click “Finish” button to complete the installation.



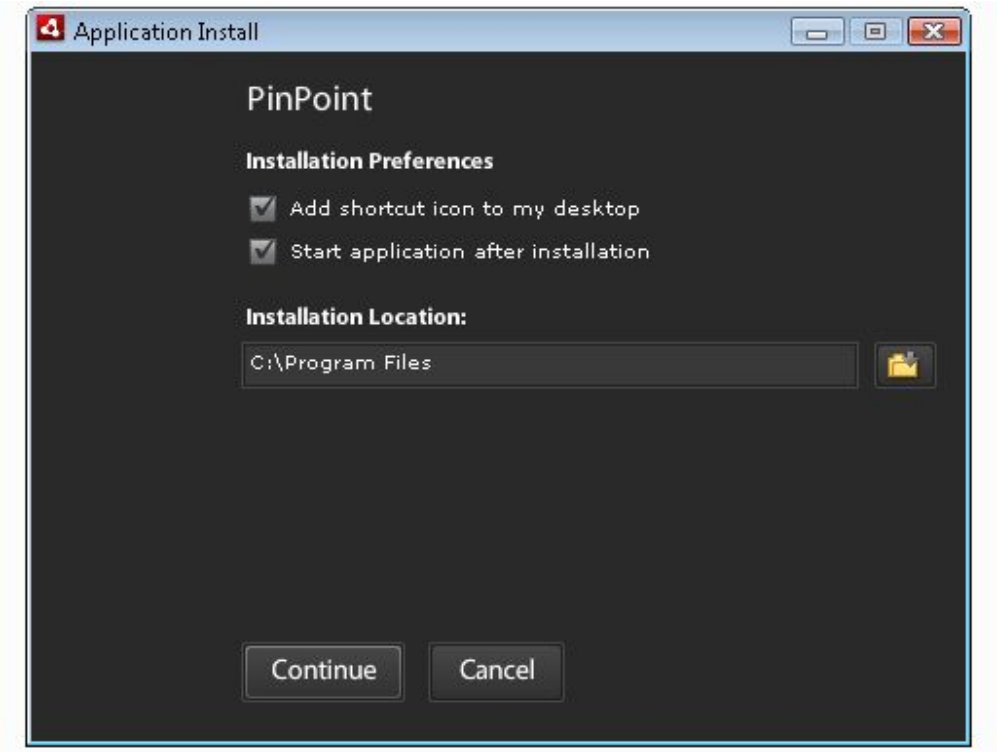
- Install PinPoint program:

  You click “PinPoint.air” file to install the program.

Then, click to “Install” button or click “Cancel” button if you want to stop.


Application Install
Are you sure you want to install this application to your computer?
Publisher: UNKNOWN
Application: PinPoint
Install
Cancel
Installing applications may present a security risk to you and your computer. Install only from sources that you trust.
Publisher Identity: UNKNOWN
The publisher of this application cannot be determined.
System Access: UNRESTRICTED
This application may access your file system and the internet, which may put your computer at risk.

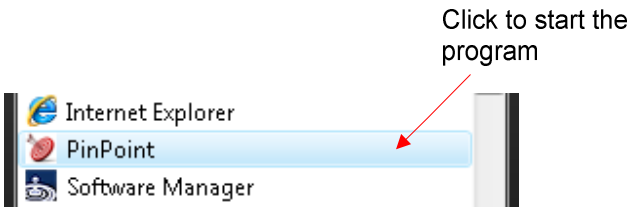
Click “Add shortcut icon to my desktop” and “Start application after installation”, if you want to start program after the installation finish. Then, click “Continue” button to install the program.



Wait till the program install completely.

After installing the program completely, it makes icon in the desktop. You run the program by clicking the icon.

Moreover, you can click “Start” button, choose “All programs” then click “PinPoint” to start the program.

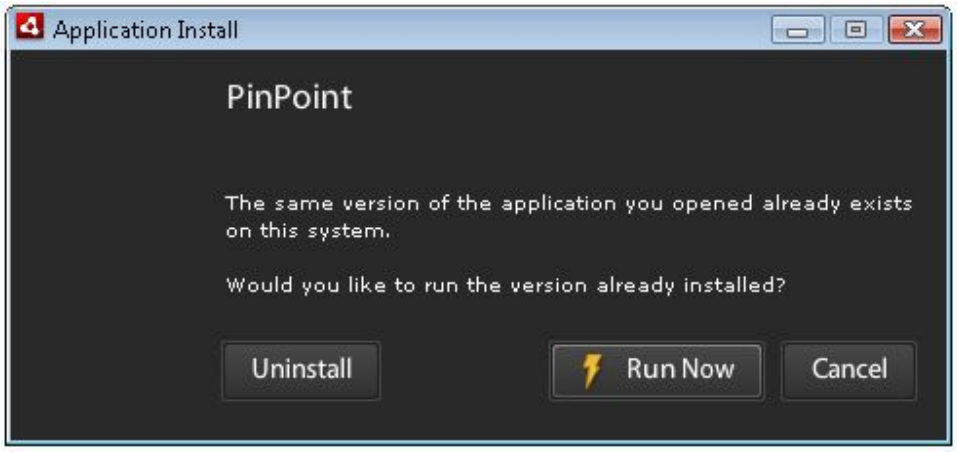


❖ Uninstall the program

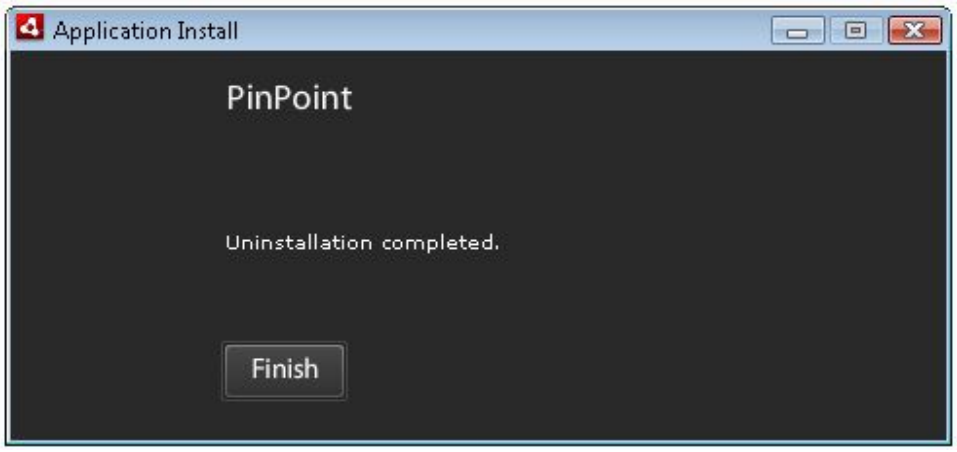
Uninstall the program is very simple. You can open "Control Panel\Programs and Features", choose "PinPoint" to uninstall it.

Moreover, you can click "PinPoint.air" install file to uninstall the program

After click "Uninstall" button to uninstall the program or click "Run Now" button to start the program or click "Cancel" button to stop uninstall.


Application Install
PinPoint
The same version of the application you opened already exists on this system.
Would you like to run the version already installed?
Uninstall
Run Now
Cancel

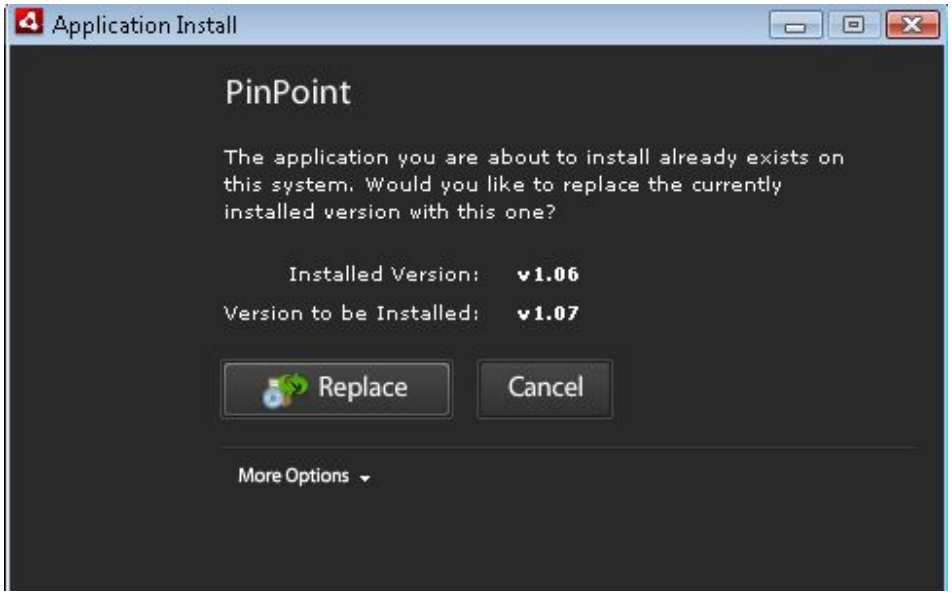
Finally, click "Finish" button to finish uninstall.



❖ Update the program

When you want to install or update new version, it is very easy. You only need click the new version of PinPoint.

Then choose “Replace” button.


Application Install
PinPoint
The application you are about to install already exists on this system. Would you like to replace the currently installed version with this one?
Installed Version: v1.06
Version to be Installed: v1.07
Replace
Cancel
More Options

❖ Working environment

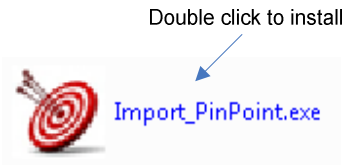
PinPoint can run in “Window XP”,” Window Vista”, “Window 7” OS with “MS Word 2003”, “MS Word 2007”.

PinPoint also can be run in “Mac OS” and “Linux” operating system with input file format is (.txt), so in order to run the program you need to convert (*.doc), (*.docx), (*.pdf) files to (*.txt) files.*

Chapter 3 Opening Patent document

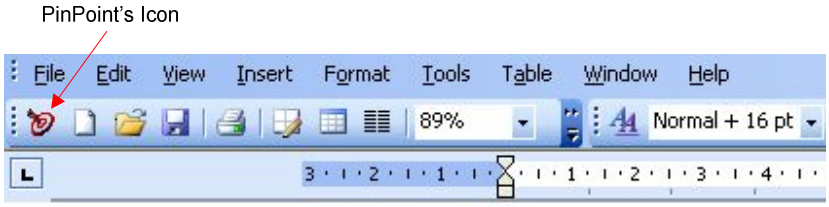
❖ MS Word Add-ins:

PinPoint can be imported to MS Word by running “Import_PinPoint.exe” file:



Then it will become MS Word Add-ins:

- MS Word 2003:



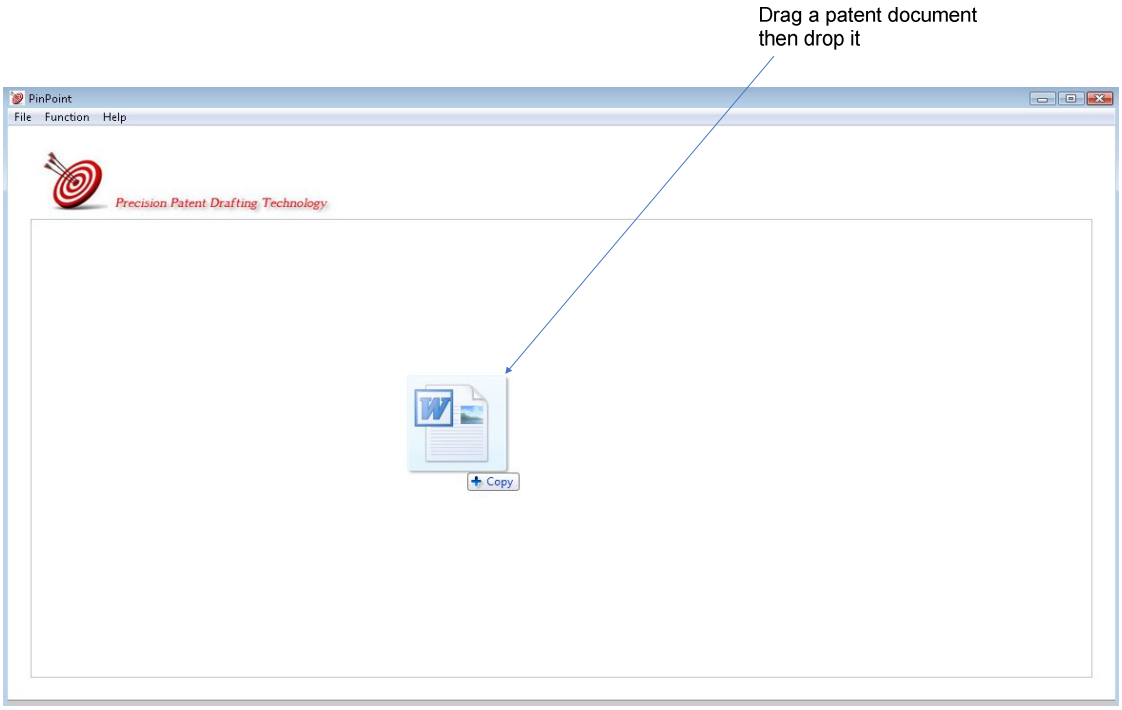
- MS Word 2007:

Click to launch PinPoint
Click Add-Ins
1.doc [Compatibility Mode] - Microsoft Word
Home Insert Page Layout References Mailings Review View Add-Ins Acrobat
Toolbar Commands
Launch PinPoint

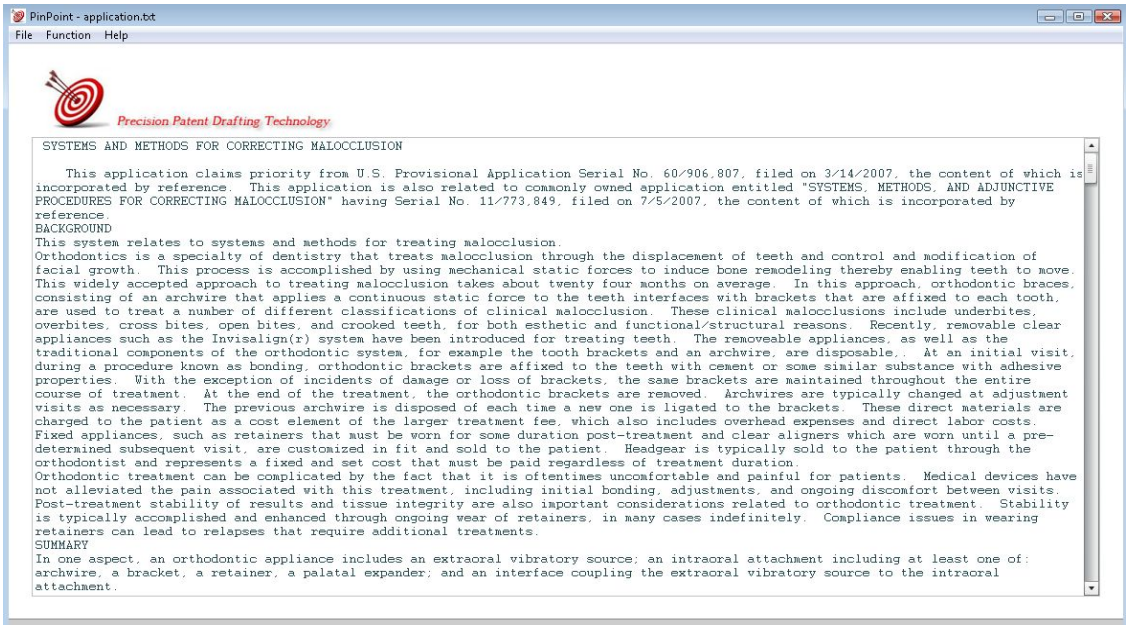
When click to launch PinPoint, the program will run with an active document which is opened by MS Word.

❖ Ez mode

You can open your patent document by dragging it to the program’s blank area and drop.



After the program process completely, its interface like the following figure:


PinPoint - application.txt
File Function Help
Precision Patent Drafting Technology
SYSTEMS AND METHODS FOR CORRECTING MALOCCLUSION
This application claims priority from U.S. Provisional Application Serial No. 60/906,807, filed on 3/14/2007, the content of which is incorporated by reference. This application is also related to commonly owned application entitled "SYSTEMS, METHODS, AND ADJUNCTIVE PROCEDURES FOR CORRECTING MALOCCLUSION" having Serial No. 11/773,849, filed on 7/5/2007, the content of which is incorporated by reference.
BACKGROUND
This system relates to systems and methods for treating malocclusion.
Orthodontics is a specialty of dentistry that treats malocclusion through the displacement of teeth and control and modification of facial growth. This process is accomplished by using mechanical static forces to induce bone remodeling thereby enabling teeth to move. This widely accepted approach to treating malocclusion takes about twenty four months on average. In this approach, orthodontic braces, consisting of an archwire that applies a continuous static force to the teeth interfaces with brackets that are affixed to each tooth, are used to treat a number of different classifications of clinical malocclusion. These clinical malocclusions include underbites, overbites, cross bites, open bites, and crooked teeth, for both esthetic and functional/structural reasons. Recently, removable clear appliances such as the Invisalign(r) system have been introduced for treating teeth. The removeable appliances, as well as the traditional components of the orthodontic system, for example the tooth brackets and an archwire, are disposable,. At an initial visit, during a procedure known as bonding, orthodontic brackets are affixed to the teeth with cement or some similar substance with adhesive properties. With the exception of incidents of damage or loss of brackets, the same brackets are maintained throughout the entire course of treatment. At the end of the treatment, the orthodontic brackets are removed. Archwires are typically changed at adjustment visits as necessary. The previous archwire is disposed of each time a new one is ligated to the brackets. These direct materials are charged to the patient as a cost element of the larger treatment fee, which also includes overhead expenses and direct labor costs. Fixed appliances, such as retainers that must be worn for some duration post-treatment and clear aligners which are worn until a pre-determined subsequent visit, are customized in fit and sold to the patient. Headgear is typically sold to the patient through the orthodontist and represents a fixed and set cost that must be paid regardless of treatment duration.
Orthodontic treatment can be complicated by the fact that it is oftentimes uncomfortable and painful for patients. Medical devices have not alleviated the pain associated with this treatment, including initial bonding, adjustments, and ongoing discomfort between visits. Post-treatment stability of results and tissue integrity are also important considerations related to orthodontic treatment. Stability is typically accomplished and enhanced through ongoing wear of retainers, in many cases indefinitely. Compliance issues in wearing retainers can lead to relapses that require additional treatments.
SUMMARY
In one aspect, an orthodontic appliance includes an extraoral vibratory source; an intraoral attachment including at least one of: archwire, a bracket, a retainer, a palatal expander; and an interface coupling the extraoral vibratory source to the intraoral attachment.

And a report file is also showed to help user to find errors in their patent:

COMPREHENSIVE REPORT FOR APPLICATION.DOC

SUMMARY OF ERRORS FOUND

ERRORS FOUND IN CLAIMS 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 20, 21.

Claim 1:

1. An orthodonticcc appliance may be, comprising:

a. an extraorals vibratory source;

b. an intraoral attachment including at least one of: ARCHWIRE, a bracket, a retainer, a palatal expander; and

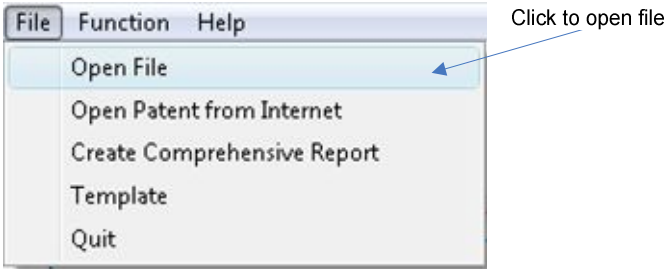
c. an interface coupling the extraoralDD vibratory source to the intraoral attachment.

The report includes full functions to announce summay of errors that found in your patent document.

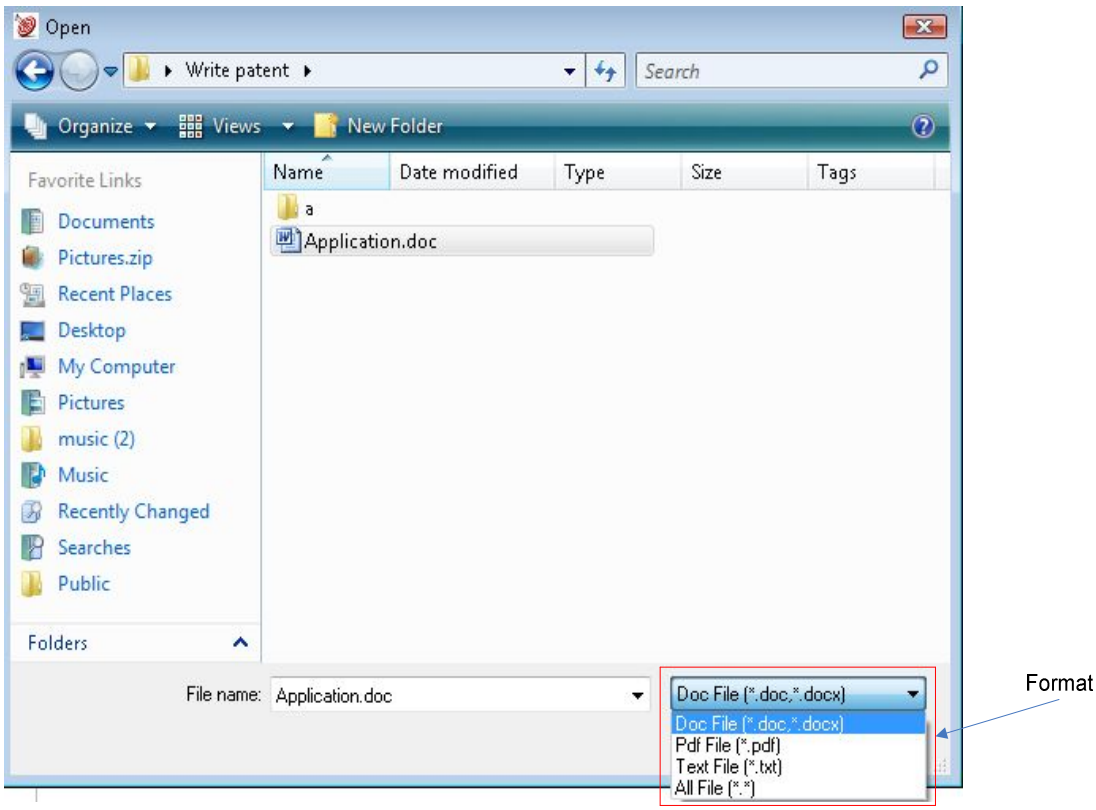
❖ Full mode

Opening a Patent Document:

After you start the program, you want to open your patent document to work. Open patent document by click “File” menu then choose “Open File”.

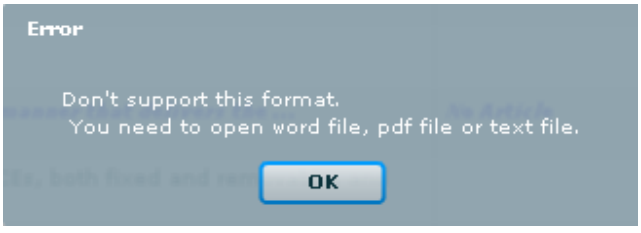


Next, it shows in the following figure.



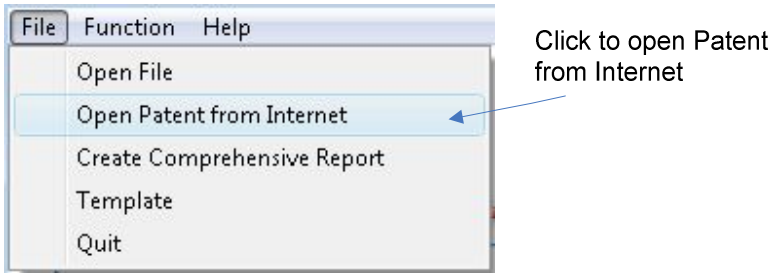
You find the file that you want to open. You can choose file name and file format.

Note: You should open the file which ist format is (.doc), (*.docx), (*.txt) or (*.pdf). If you try to open another formats, the program will give an error message:*



Opening a Patent Document from Internet:

Open Patent from Internet is executed by clicking “File” tab from menu to choose “Open Patent from Internet”.



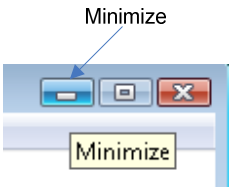
Then a dialog box will show:

Select United State Patent Number you want and put in text box then click "Ok". The program will auto search the patent in http://www.freepatentsonline.com then download it and run in Ez mode.

Note: After you open your patent document, the program will automatically create a text file that have the same name with your patent, store its content and save it in the same folder.

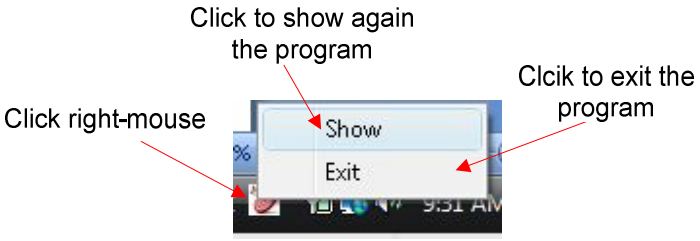
❖ Taskbar icon

When you click "Minimize"



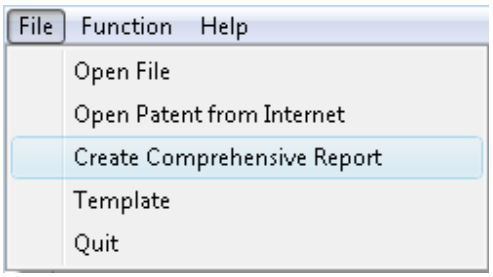
The program will be existed as taskbar icon at right-bottom angle of your computer's screen. You can see in the following figure.

When you click right-mouse in the "PinPoint" icon, you can select functions to show again the program or to exit the program.



❖ Create Comprehensive Report:

If you want to view all report of the program, you click "File" tab from the program's menu and choose "Create Comprehensive Report"



Then a report file will show:

COMPREHENSIVE REPORT FOR APPLICATION.DOC

SUMMARY OF ERRORS FOUND

ERRORS FOUND IN CLAIMS 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 20, 21.

Claim 1:

1. An orthodonticcc appliance may be, comprising:

a. an extraorals vibratory source;

b. an intraoral attachment including at least one of: ARCHWIRE, a bracket, a retainer, a palatal expander; and

c. an interface coupling the extraoralDD vibratory source to the intraoral attachment.

Chapter 4: Analyze Claims

Analyze Claims is PinPoint service which eases the process of identifying, finding noun phrase and diagnosis antecedent rule.

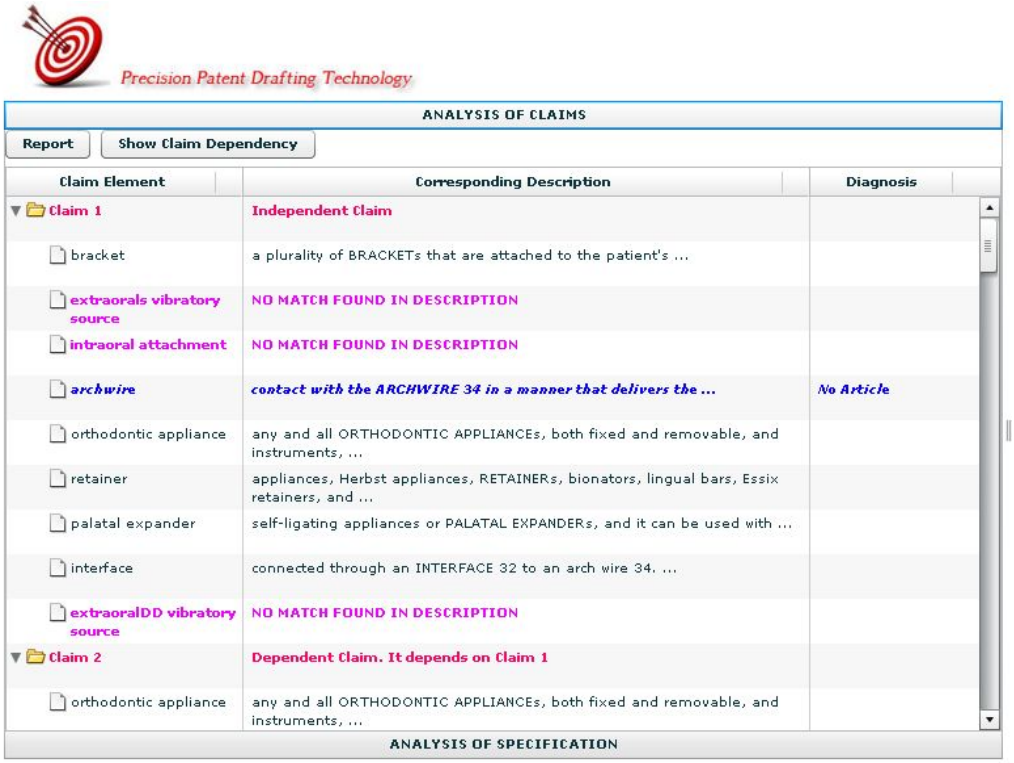
- Find claims.
- Correct inconsistencies noun phrases in each claim.
- Show most of noun phrases in each claim.
- Edit noun phrases for each claim that is unlawful.
- Showing the claim that contains noun phrase.
- Report.
- Automatic sort functions.

❖ Find claims

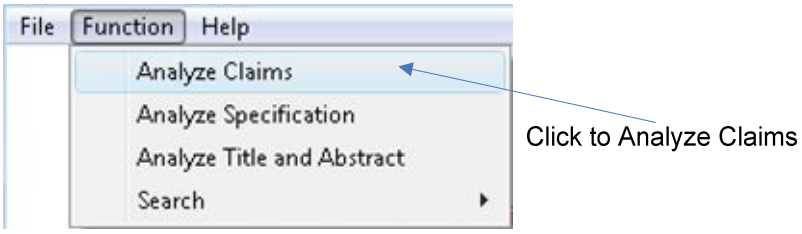
The program will check in your patent document to find claim section, then show them in a table.

1. Running the program and opening your patent document for which you want to find noun phrases in claim.

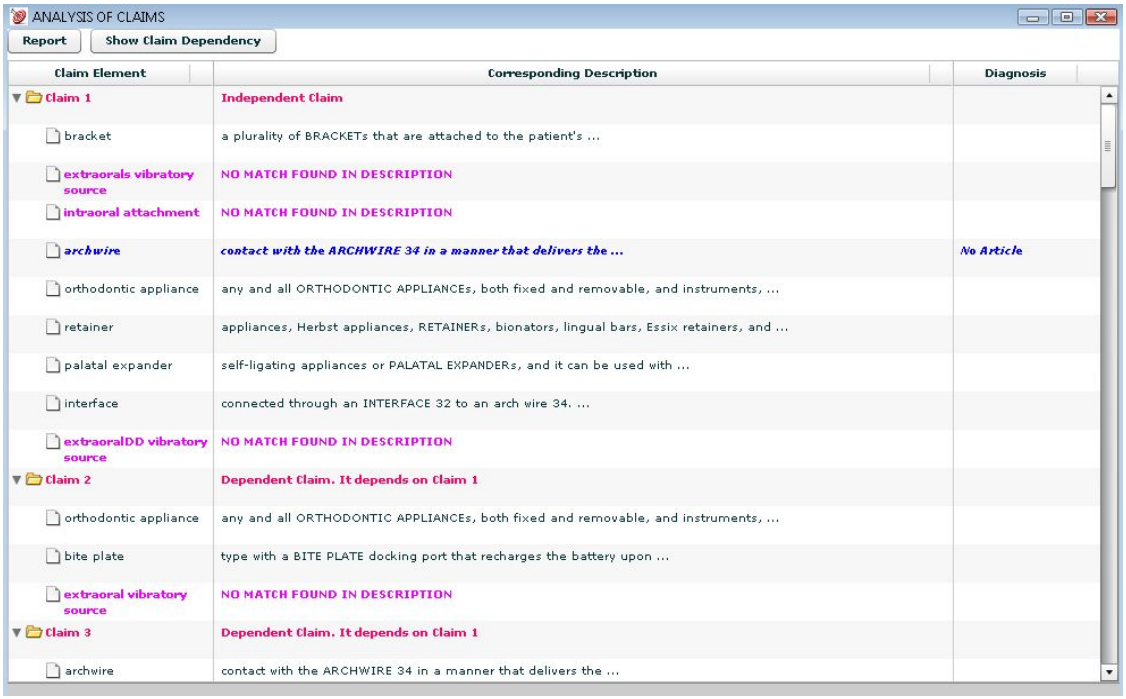
2. After you open patent document, PinPoint's interface will show "ANALYSIS OF CLAIMS" table.


Precision Patent Drafting Technology
ANALYSIS OF CLAIMS
Report
Show Claim Dependency
Claim Element
Corresponding Description
Diagnosis
Claim 1
Independent Claim
bracket
a plurality of BRACKETs that are attached to the patient's ...
extraorals vibratory source
NO MATCH FOUND IN DESCRIPTION
intraoral attachment
NO MATCH FOUND IN DESCRIPTION
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
No Article
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
retainer
appliances, Herbst appliances, RETAINERs, bionators, lingual bars, Essix retainers, and ...
palatal expander
self-ligating appliances or PALATAL EXPANDERs, and it can be used with ...
interface
connected through an INTERFACE 32 to an arch wire 34. ...
extraoralDD vibratory source
NO MATCH FOUND IN DESCRIPTION
Claim 2
Dependent Claim. It depends on Claim 1
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
ANALYSIS OF SPECIFICATION

On the other hand, you can click “Function” tab in the program’s menu then click “Analyze Claims” line.



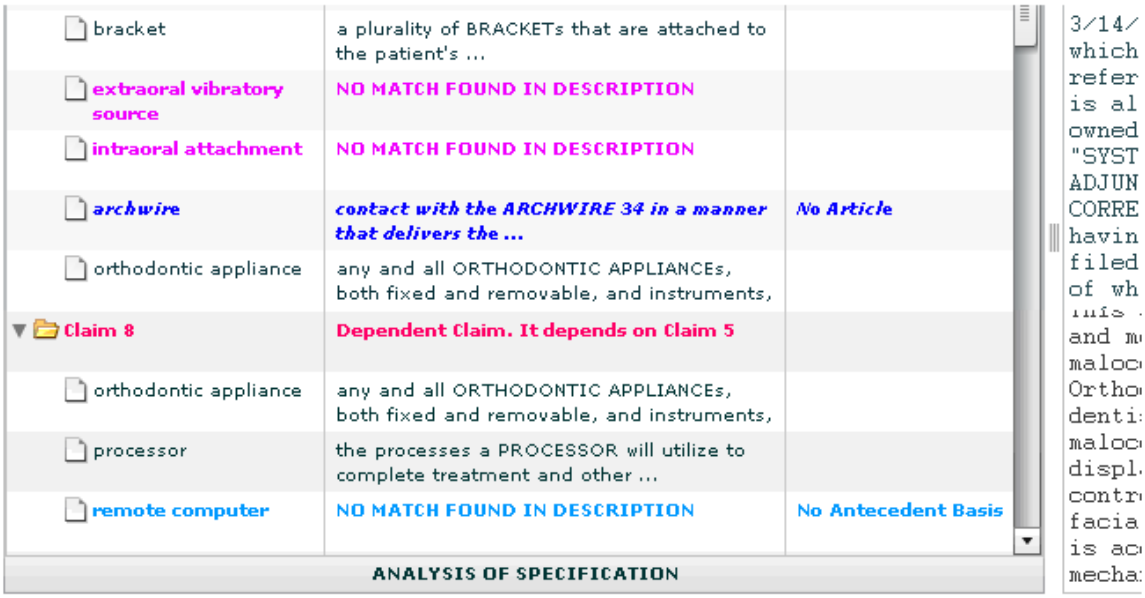
The program will show “ANALYSIS OF CLAIMS” form.


ANALYSIS OF CLAIMS
Report
Show Claim Dependency
Claim Element
Corresponding Description
Diagnosis
Claim 1
Independent Claim
bracket
a plurality of BRACKETs that are attached to the patient's ...
extraorals vibratory source
NO MATCH FOUND IN DESCRIPTION
intraoral attachment
NO MATCH FOUND IN DESCRIPTION
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
No Article
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
retainer
appliances, Herbst appliances, RETAINERs, bionators, lingual bars, Essix retainers, and ...
palatal expander
self-ligating appliances or PALATAL EXPANDERs, and it can be used with ...
interface
connected through an INTERFACE 32 to an arch wire 34. ...
extraoralDD vibratory source
NO MATCH FOUND IN DESCRIPTION
Claim 2
Dependent Claim. It depends on Claim 1
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
bite plate
type with a BITE PLATE docking port that recharges the battery upon ...
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
Claim 3
Dependent Claim. It depends on Claim 1
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...

The "Claim Element" column shows all claims, the noun phrases are unique or they only show once in all of claims.

In there:

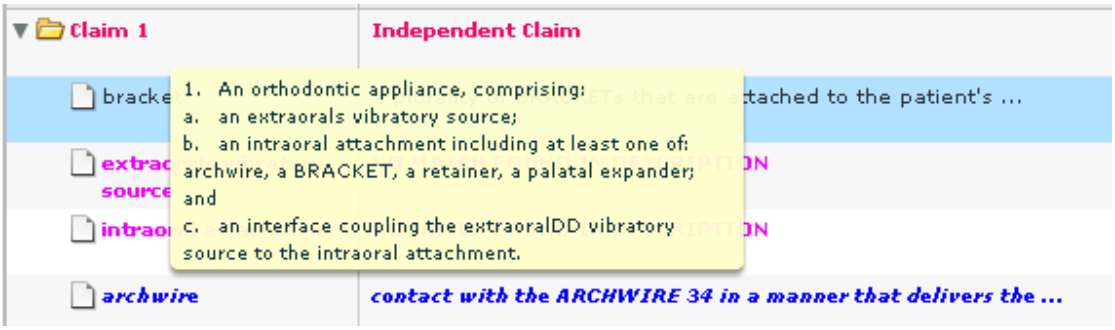
- Pink noun phrases occur in claim section but don't occur in description section.
- Blue noun phrases are warning that mean they don't have article.
- Green noun phrases are error because they don't follow the antecedent rule.
- Black noun phrases are suitable the antecedent rule.


bracket
a plurality of BRACKETs that are attached to the patient's ...
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
intraoral attachment
NO MATCH FOUND IN DESCRIPTION
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
No Article
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments,
Claim 8
Dependent Claim. It depends on Claim 5
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments,
processor
the processes a PROCESSOR will utilize to complete treatment and other ...
remote computer
NO MATCH FOUND IN DESCRIPTION
No Antecedent Basis
ANALYSIS OF SPECIFICATION

❖ Show the claim that contains noun phrase

When you move mouse over a noun phrase, a tooltip will show the sentence which contains it.

For example, when you move mouse over “bracket”, a tooltip will show claim 1 with noun phrase is capitalize.


Claim 1
Independent Claim
1. An orthodontic appliance, comprising:
a. an extraorals vibratory source;
b. an intraoral attachment including at least one of: archwire, a BRACKET, a retainer, a palatal expander; and
c. an interface coupling the extraoralDD vibratory source to the intraoral attachment.
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...

❖ Edit noun phrases for each claim that is unlawful

When the program shows all noun phrases in each claim, you can edit them by way:

You choose noun phrase that you want edit then double click to it.

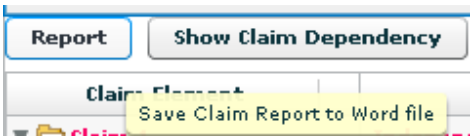
extraorals vibratory source
NO MATCH FOUND IN DESCRIPTION
intraoral attachment
NO MATCH FOUND IN DESCRIPTION
To edit this claim, double click it
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...

After you double click to it, the original patent document opens then you can change noun phrases in each claim.

Note: When edited completely in MS Word, you must quit MS Word and use PinPoint to open patent file again then you just can see the change.

❖ Report

You can make report by clicking “Report” button.



The content of report file.

Summary of claims: Quantity of claims, Quantity of independent claims, Quantity of dependent claims and Dependency level of claims.

For example:

SUMMARY OF CLAIMS

Total Claims : 21

Independent Claims : 2

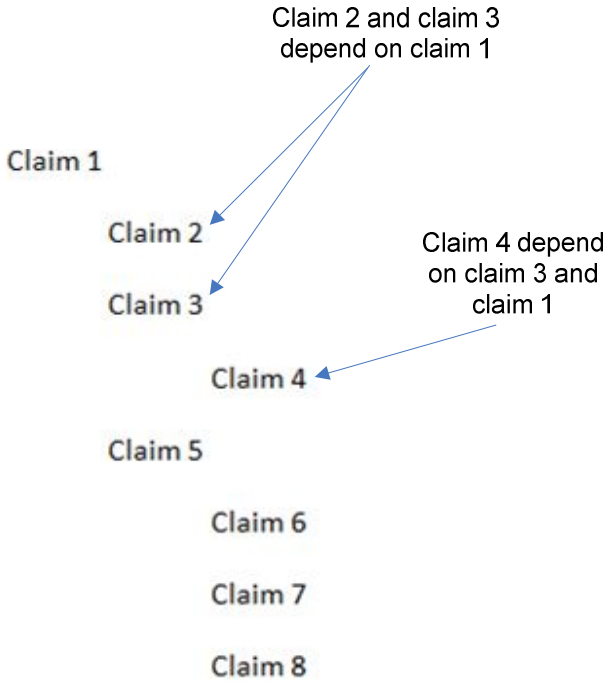
Dependent Claims : 19

Dependency Level of Claims : 3

The figure shows, the patent document has 21 claims while it has 2 independent claims, 19 dependent claims and 3 level of claims.

Claims dependency analysis: Showing the dependent and independent of claims.

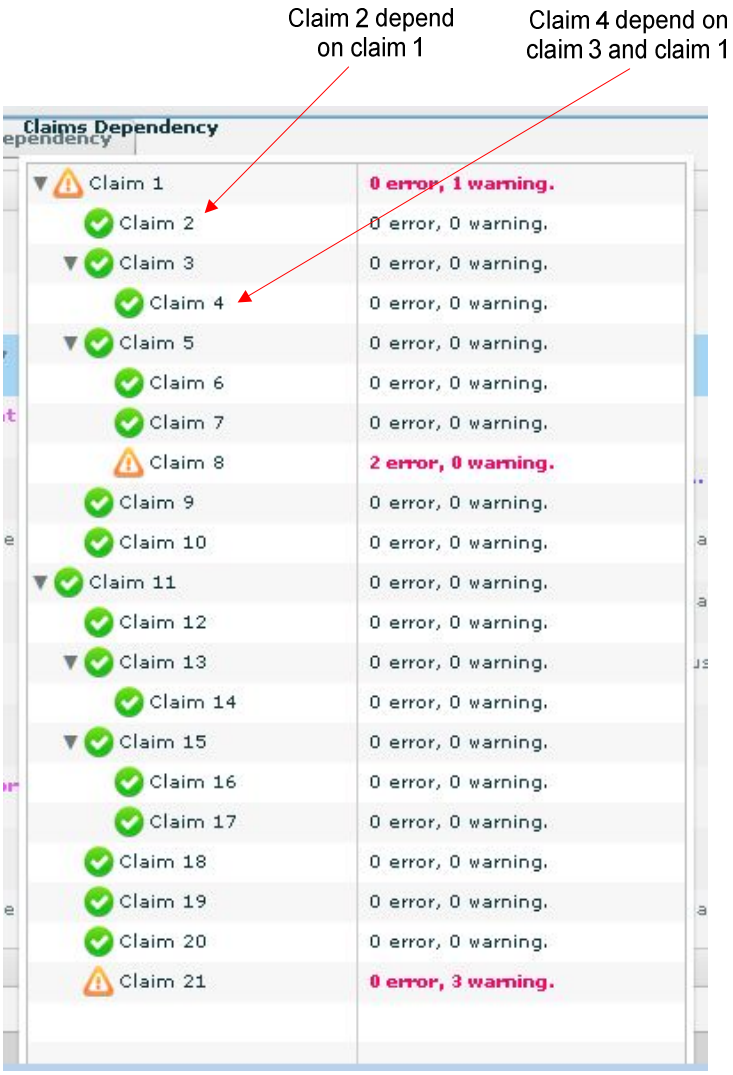
For example:



The figure shows claim 2, claim 3, claim 5 depend on claim 1; claim 4 depend on claim 3 and claim 1; claim 6, claim 7, claim 8 depend on claim 5 and claim 1

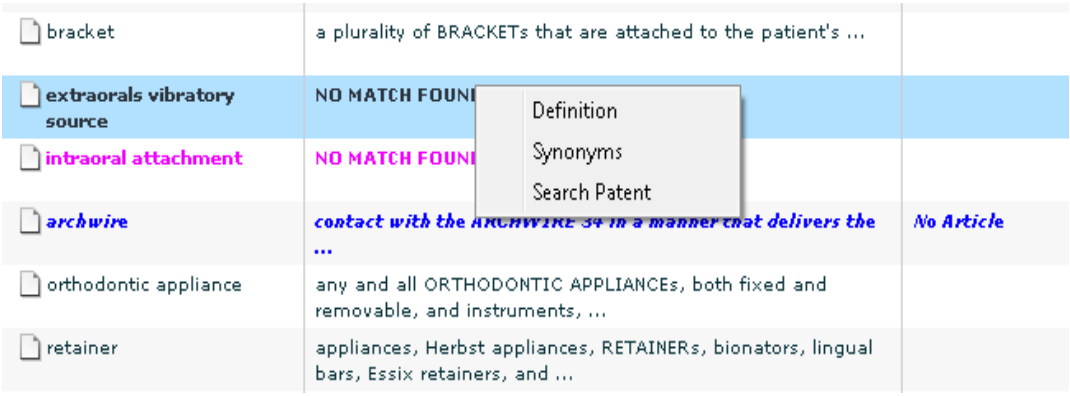
❖ Show Claim Dependency

The program will show all of claims with the relationship between them.


Claim 2 depend on claim 1
Claim 4 depend on claim 3 and claim 1
Claims Dependency
Claim 1 0 error, 1 warning.
Claim 2 0 error, 0 warning.
Claim 3 0 error, 0 warning.
Claim 4 0 error, 0 warning.
Claim 5 0 error, 0 warning.
Claim 6 0 error, 0 warning.
Claim 7 0 error, 0 warning.
Claim 8 2 error, 0 warning.
Claim 9 0 error, 0 warning.
Claim 10 0 error, 0 warning.
Claim 11 0 error, 0 warning.
Claim 12 0 error, 0 warning.
Claim 13 0 error, 0 warning.
Claim 14 0 error, 0 warning.
Claim 15 0 error, 0 warning.
Claim 16 0 error, 0 warning.
Claim 17 0 error, 0 warning.
Claim 18 0 error, 0 warning.
Claim 19 0 error, 0 warning.
Claim 20 0 error, 0 warning.
Claim 21 0 error, 3 warning.

❖ Search Function

You can search automatically noun phrases in each claim such as Search Patent, Definition and Synonyms by clicking right mouse. The function shows in the following figure:

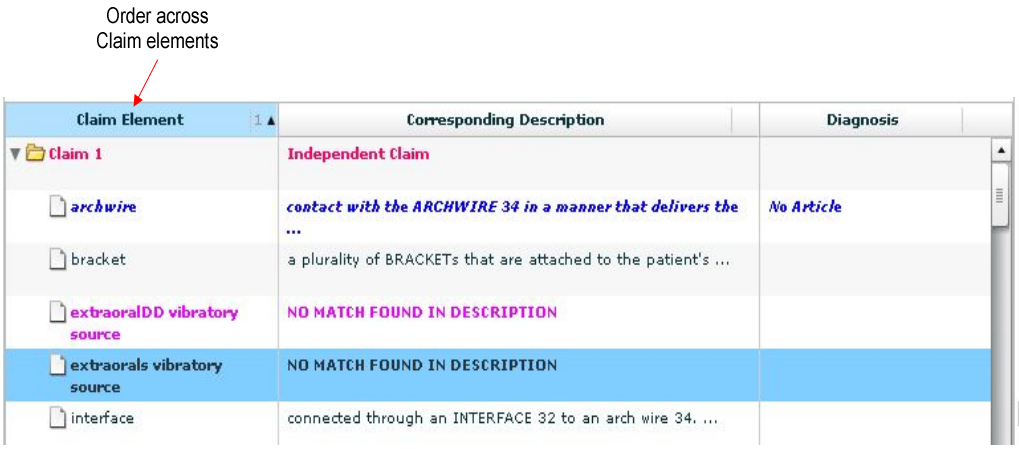

bracket
a plurality of BRACKETs that are attached to the patient's ...
extraorals vibratory source
NO MATCH FOUN
Definition
Synonyms
Search Patent
intraoral attachment
NO MATCH FOUN
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
No Article
orthodontic appliance
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
retainer
appliances, Herbst appliances, RETAINERs, bionators, lingual bars, Essix retainers, and ...

❖ Automatic sort functions

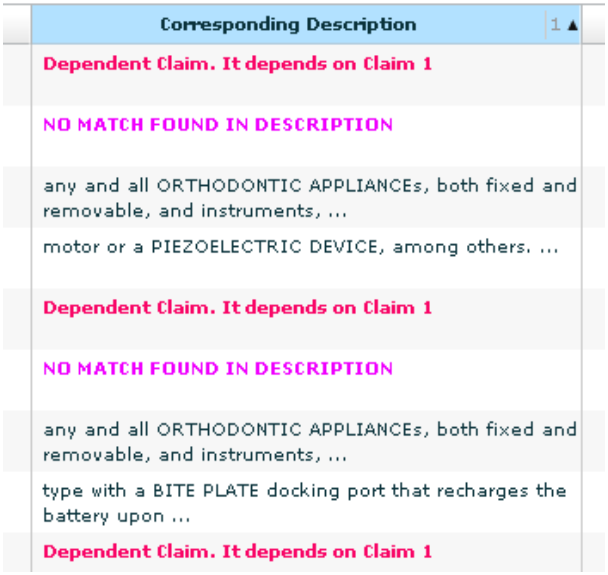
You can simple survey claims and noun phrases by some ways: automatically sort on noun phrase, automatically sort on corresponding description and automatically sort on diagnosis.

Sort in single column:

1. Automatically sort on claim element: when you click the header of "Claim Element" column, all of claim's elements sort on the increase or the decrease in ASCII code table.


Order across Claim elements
Claim Element
Corresponding Description
Diagnosis
Claim 1
Independent Claim
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
No Article
bracket
a plurality of BRACKETs that are attached to the patient's ...
extraoralDD vibratory source
NO MATCH FOUND IN DESCRIPTION
extraorals vibratory source
NO MATCH FOUND IN DESCRIPTION
interface
connected through an INTERFACE 32 to an arch wire 34. ...

2. Automatically sort on corresponding description: when you click the header of "Corresponding Description" column, all of noun phrases sort on the increase or the decrease in ASCII code table.


Corresponding Description
Dependent Claim. It depends on Claim 1
NO MATCH FOUND IN DESCRIPTION
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
motor or a PIEZOELECTRIC DEVICE, among others. ...
Dependent Claim. It depends on Claim 1
NO MATCH FOUND IN DESCRIPTION
any and all ORTHODONTIC APPLIANCEs, both fixed and removable, and instruments, ...
type with a BITE PLATE docking port that recharges the battery upon ...
Dependent Claim. It depends on Claim 1

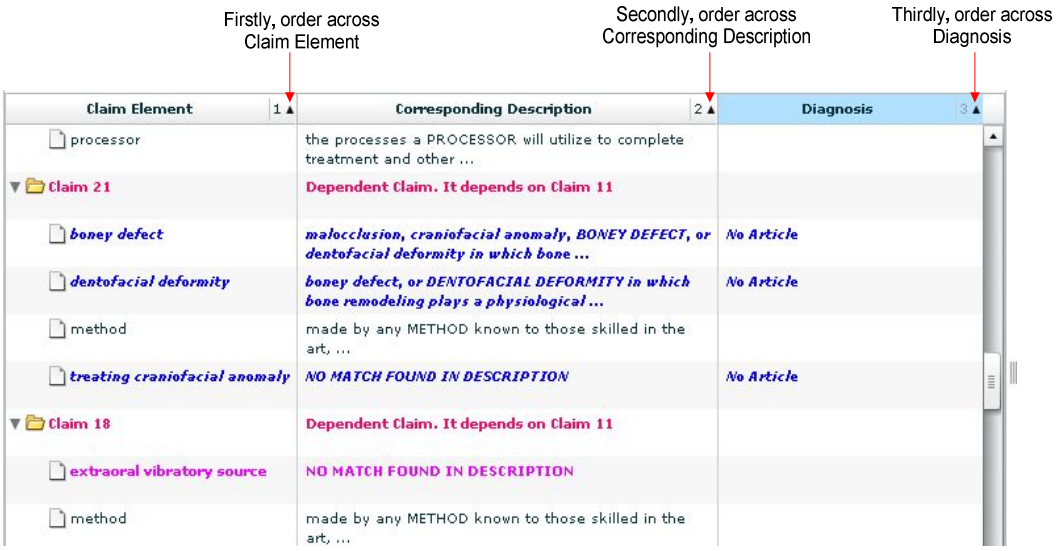
3. Automatically sort on diagnosis: when you click the header of "Diagnosis" column, it will enumerate most of the same status site by site.

Sort in multiple columns:

Automatically sort on three the functions. The first column sorts "Claim Element", the second column sorts "Corresponding Description" and the third column sorts "Diagnosis".

Firstly, you sort in "Claim Element" column. Next, you sort in "Corresponding Description" column. Finally, you sort in "Diagnosis" column.

Note: you must click across the advice of arrow.


Firstly, order across Claim Element
Secondly, order across Corresponding Description
Thirdly, order across Diagnosis
Claim Element 1
Corresponding Description 2
Diagnosis 3
processor
the processes a PROCESSOR will utilize to complete treatment and other ...
Claim 21
Dependent Claim. It depends on Claim 11
boney defect
malocclusion, craniofacial anomaly, BONEY DEFECT, or dentofacial deformity in which bone ...
No Article
dentofacial deformity
boney defect, or DENTOFACIAL DEFORMITY in which bone remodeling plays a physiological ...
No Article
method
made by any METHOD known to those skilled in the art, ...
treating craniofacial anomaly
NO MATCH FOUND IN DESCRIPTION
No Article
Claim 18
Dependent Claim. It depends on Claim 11
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
method
made by any METHOD known to those skilled in the art, ...

Chapter 5: Analyze Specification

Managing and analyze specification in patent documents can be tedious and difficult work. Especially, in the complex documents where it is easy to lose track of how you have numbered and named the various parts of your invention. The PinPoint service can help you develop well-formed and valid reference numbers. It identifies and analyzes reference numbers in your patent documents, allowing to easily doing any of the following:

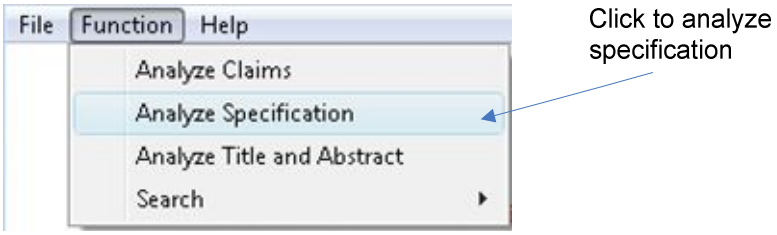
- Find noun phrases with numbers and detect noun phrases with numbers inconsistencies.
- Correct inconsistencies in noun phrases.
- Show most of noun phrases with numbers in the table.
- Show the first sentence, which contains the noun phrase.
- Edit numbers or noun phrases which are inconsistencies.
- Check existence of figures and showing the sentences in brief description section that contain them.
- Report function.
- Automatic sort functions.
- Finding noun phrase and detecting noun phrases with numbers inconsistencies.

In analyzing a patent document for reference numbers, the PinPoint service by default lists in numerical sort each occurrence of all reference numbers it was able to identify, along with the noun phrase corresponding to each reference numbers occurrence. You can see at a glance which noun phrases are associated with multiple reference numbers. It also provides for quickly detecting noun phrase with numbers inconsistencies.

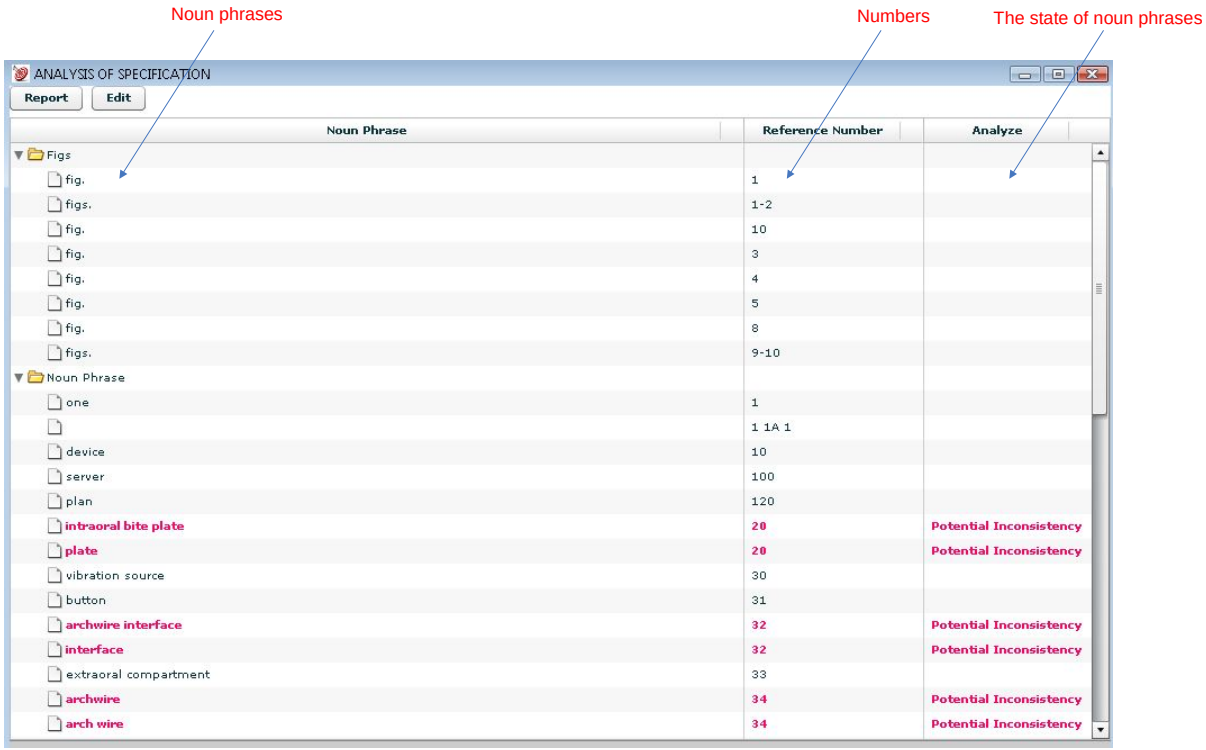
Note: Analyze specification only completes in three sections: Back Ground, Detailed Description and Abstract. Moreover, the program only runs well when you use it for standard patent documents.

1. Running the program and opening your patent document for which you want to find noun phrases associated with reference numbers.

2. In the PinPoint menu, click the “Function” tab then click “Analyze Specification”.



3. The “Noun Phrase with Number” box opens, displaying the “ANALYSIS OF SPECIFICATION” form.



The “Noun Phrase” column shows all noun phrases associated with reference numbers, the noun phrases are unique or they only show once. The red noun phrases are potential inconsistency because a noun phrase associated more than a number, while each particular noun only associated a number. In contrast, the black noun phrases are lawful noun phrases.

The “Reference Number” column shows all numbers associated with noun phrases, the red numbers are potential inconsistency. In contrast, the black numbers are lawful numbers.

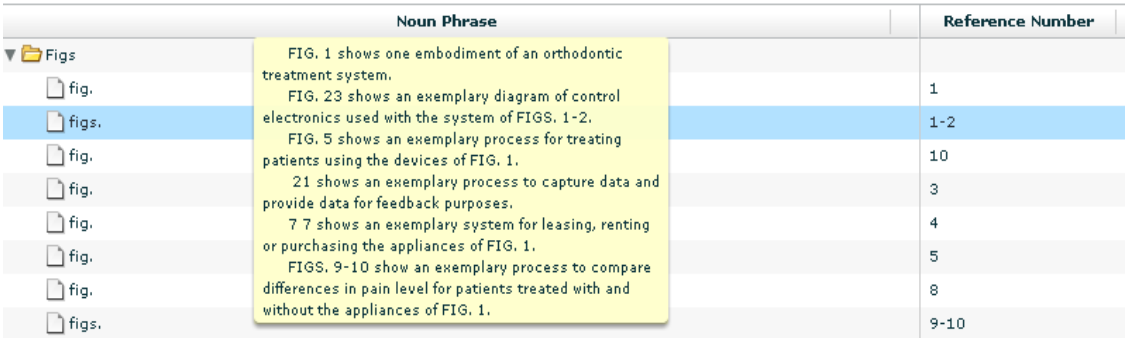
The “Analyze” column shows the status of noun phrases.

❖ Show the first sentence which contains the noun phrase

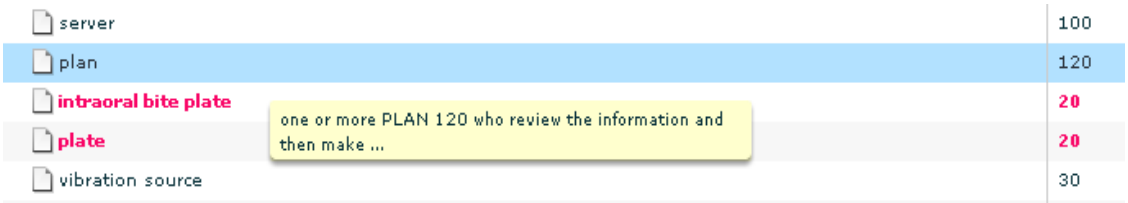
You choose the noun phrase or the number that you want to show the first sentence, which contains it, a comment will show.

For example, when you move mouse to the “device” noun phrase, a comment will show in the following figure:

- Show all sentences in “Brief Description” section that the figure’s appear at there:


Noun Phrase
Reference Number
Figs
fig.
figs.
fig.
fig.
fig.
fig.
fig.
figs.
1
1-2
10
3
4
5
8
9-10
FIG. 1 shows one embodiment of an orthodontic treatment system.
FIG. 23 shows an exemplary diagram of control electronics used with the system of FIGS. 1-2.
FIG. 5 shows an exemplary process for treating patients using the devices of FIG. 1.
21 shows an exemplary process to capture data and provide data for feedback purposes.
7 7 shows an exemplary system for leasing, renting or purchasing the appliances of FIG. 1.
FIGS. 9-10 show an exemplary process to compare differences in pain level for patients treated with and without the appliances of FIG. 1.

- Show the first sentence to describe noun phrases:



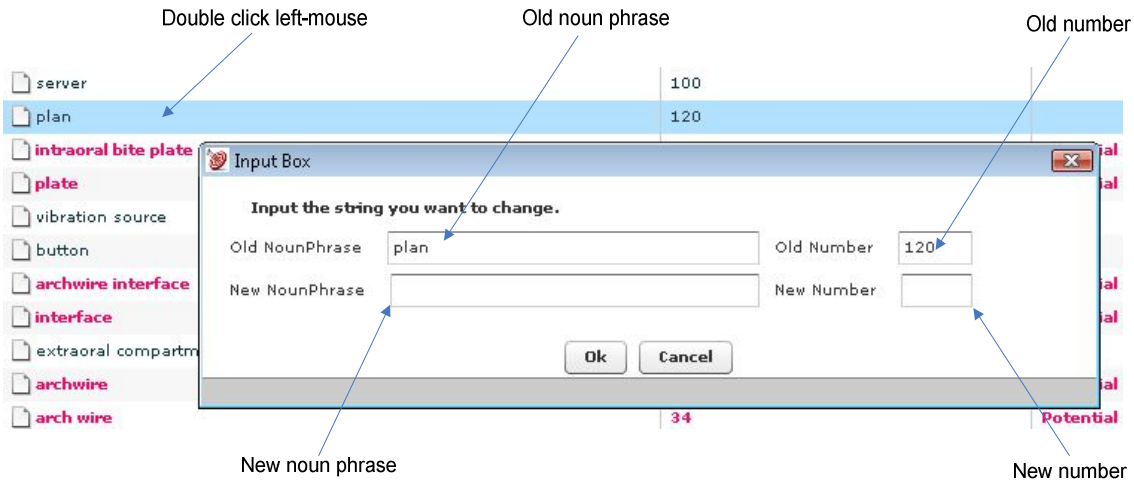
While (‘one or more PLAN 120 who review the information and then make ...”) sentence is the first sentence that the noun phrase appears.

❖ Edit numbers for noun phrases that is unlawful

When the program shows all noun phrases, you can edit them by two ways: editing for a noun phrase or editing for multi-noun phrases.

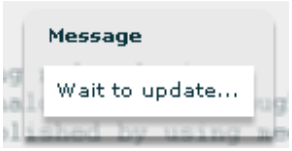
Editing for a noun phrase with number or figure with number:

You choose noun phrase that you want edit then double click it or click “Edit” button. “Input Box” box opens.



You change both old noun phrase and old number by editing new value into “New Noun Phase” text and “New Number” text then click “OK” button. If you don’t want to change them, you can click “Cancel” button.

When you click “OK” then the values of all nouns phrase or numbers are updated.



Wait to update complete. The new values of noun phrase or number will show in the table.

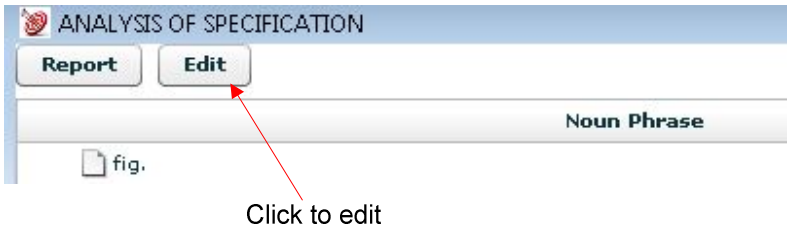
Note: when you met some noun phrases that did not change them, you must open your patent document and to change directly them.

Editing for multi-noun phrases:

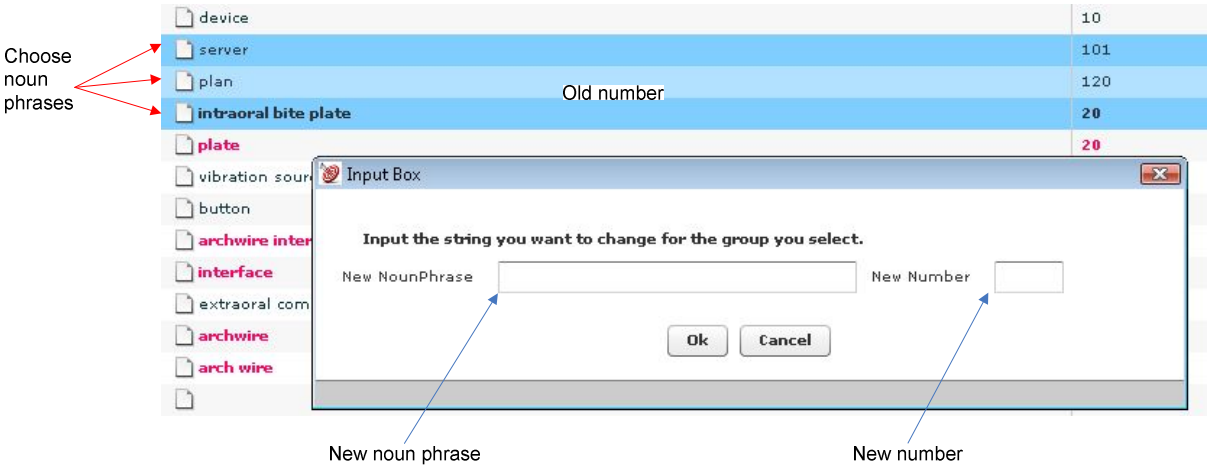
You choose noun phrases with numbers or figures with numbers that you want to edit:

You can use “shift” key to choose a space or choose all individual elements by click the first element then keep “shift” key next click final line or

keep “ctrl” key then click all lines that you want to edit. Finally, you click “Edit” button to edit.



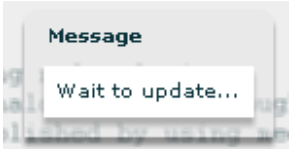
“Input Box” box opens.



You change both old noun phrases and old numbers by editing new value into “New Noun Phase” text and “New Number” text then click “OK” button. If you do not want to change them, you can click “Cancel” button.

When you click “OK” then a comment show

You click “yes” then the values of all nouns phrase or numbers are updated.

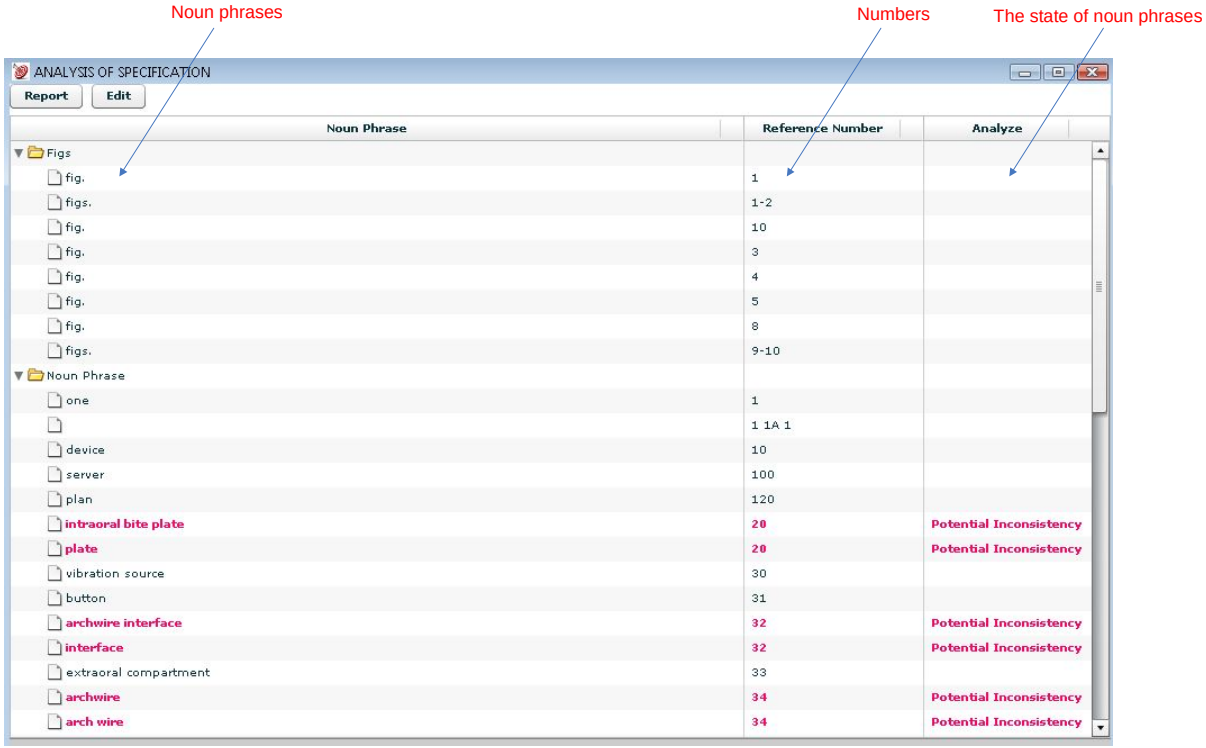


Wait to update complete. The new values of noun phrases or numbers will show in the table.

Note: when you meet some noun phrases that no change them, you must open your patent document and to change directly them.

❖ Check existence of figures and to show paragraph contain them

When the "Noun Phrase with Number" box opens, you can also see figures list:

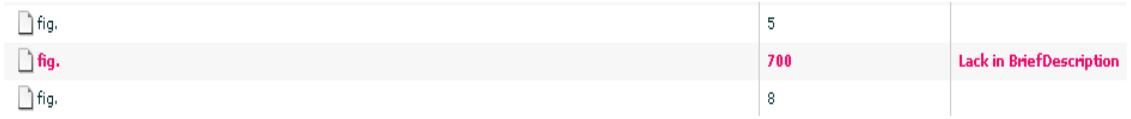


The "Noun Phrase" column and "Reference Number" column show most of figures associated with numbers in your patent document.

Note: The figures are also noun phrases so they only complete in three sections: Back Ground, Detailed Description and Abstract. And the program only runs well when you use it for standard patent documents.

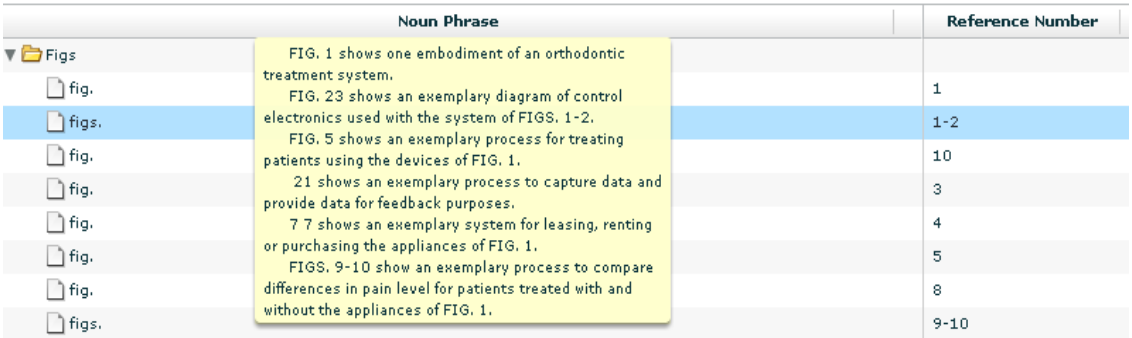
The "Analyze" column shows the state of the figures. If they exist, it will not appear comment line in the "Analyze" column.

Else it will appear "Lack in BriefDescription" line in the "Analyze" column.



The "Analyze Specification" will help you check the existence of the figures in your patent documents. Especially, most of figures only exist in the "BRIEF DESCRIPTION OF THE DRAWINGS" section. Because the program will check the figures in all of your patent documents and compared them with figures in the "BRIEF DESCRIPTION OF THE DRAWINGS" section to check their existence.

When mouve mouse to line in the "Analyze" column contain figure's name, the program can show all sentences in the "BRIEF DESCRIPTION" section that exist this name. They are showed in the following figure:


Noun Phrase
Reference Number
Figs
fig. 1
figs. 1-2
fig. 10
fig. 3
fig. 4
fig. 5
fig. 8
figs. 9-10
FIG. 1 shows one embodiment of an orthodontic treatment system.
FIG. 23 shows an exemplary diagram of control electronics used with the system of FIGS. 1-2.
FIG. 5 shows an exemplary process for treating patients using the devices of FIG. 1.
21 shows an exemplary process to capture data and provide data for feedback purposes.
7 7 shows an exemplary system for leasing, renting or purchasing the appliances of FIG. 1.
FIGS. 9-10 show an exemplary process to compare differences in pain level for patients treated with and without the appliances of FIG. 1.

❖ Report function

1. You can make report to save or to print noun phrases with numbers by click “Report” button.

The characters of report file:

Figures: showing all of figures and the existence of them in brief description.

For example:

SPECIFICATION REPORT

TITLE AND ABSTRACT SECTION

Title and Abstract conform to PTO size limit

FIGURES

FIG. 1

FIG. 10

FIG. 3

FIG. 4

FIG. 5

FIG. 700 ---> Lack in BriefDescription

FIG. 8

FIGS. 9-10

Tables: showing all of figures and the existence of them

For example:

TABLES

No Table found

Charts: showing all of figures and the existence of them

For example:

CHARTS

No Chart found

Potential inconsistency reference number: Showing all of noun phrases that have potential inconsistency reference number.

For example:

POTENTIAL INCONSISTENCY PART NUMBER

archwire interface 32

interface 32

arch wire 34

archwire 34

sever 34

communication port 60

usb port 60

local processor 99

client workstation 99

client workstations 99

Ex: “32” is the number of “archiwire interface” noun phrase.

Reference number in background section: Showing all of noun phrases with numbers in back ground section.

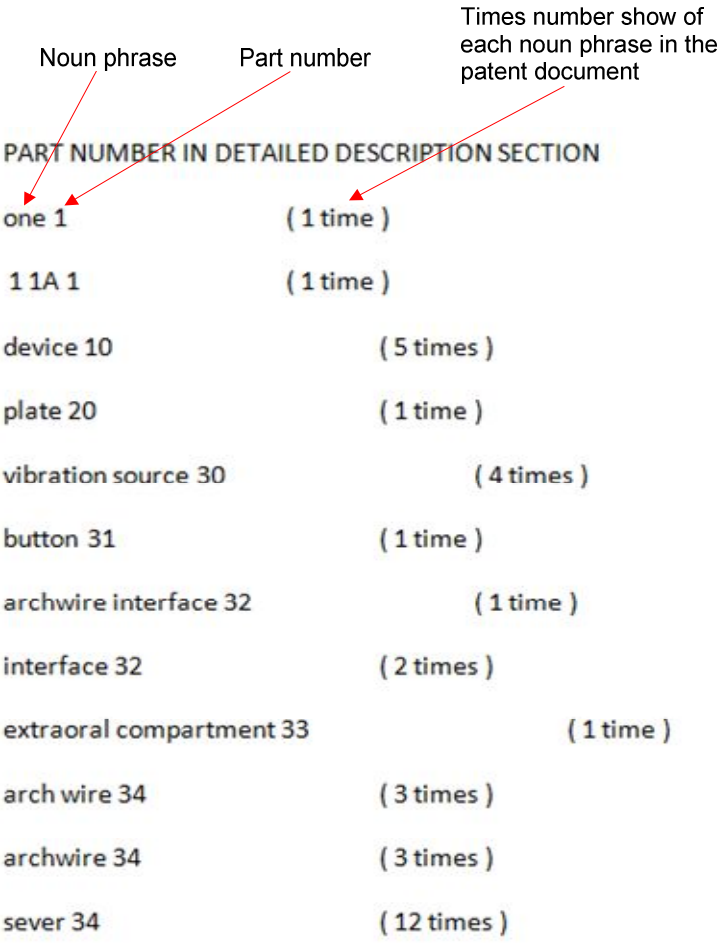
For example:

PART NUMBER IN BACKGROUND SECTION

No Part Number found

Reference number in detailed description section: Showing all of noun phrases with numbers in detailed description section.

For example:


Noun phrase
Part number
Times number show of each noun phrase in the patent document
PART NUMBER IN DETAILED DESCRIPTION SECTION
one 1 (1 time)
1 1A 1 (1 time)
device 10 (5 times)
plate 20 (1 time)
vibration source 30 (4 times)
button 31 (1 time)
archwire interface 32 (1 time)
interface 32 (2 times)
extraoral compartment 33 (1 time)
arch wire 34 (3 times)
archwire 34 (3 times)
sever 34 (12 times)

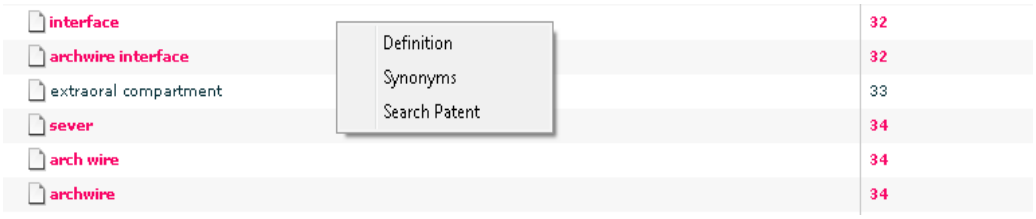
Reference number in abstract section: Showing all of noun phrases with numbers in abstract section.

For example:

PART NUMBER IN ABSTRACT SECTION

No Part Number found

2. You can search automatically noun phrase such as Search in Patent, Definition and Synonyms by click right-mouse then choose function to search. The function sees follow figure.

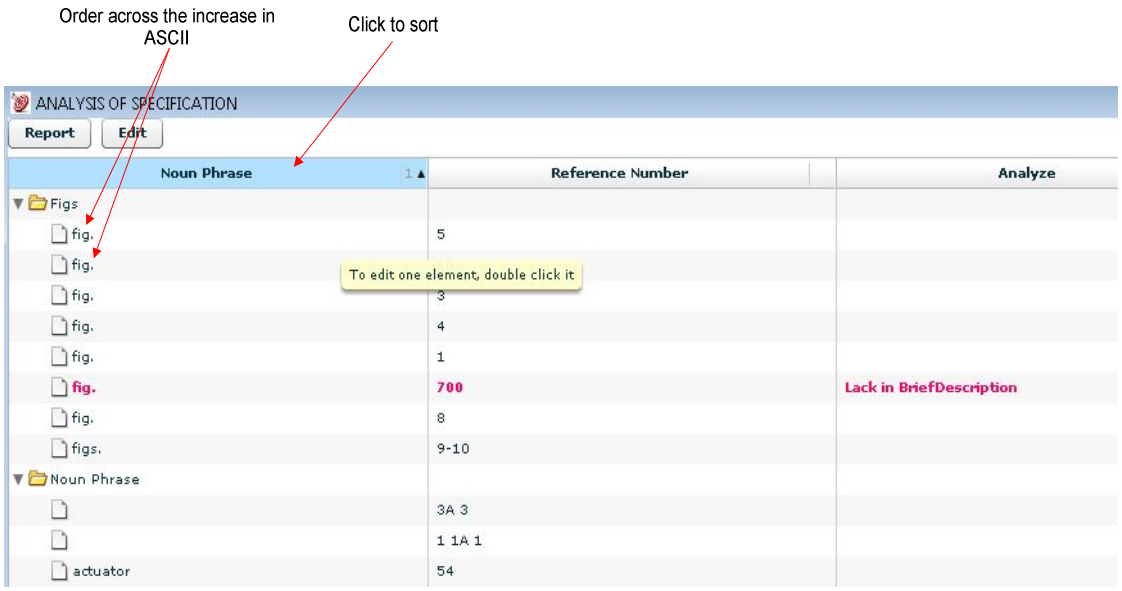


❖ Automatic sort functions

You can simple survey noun phrases and numbers by some ways: automatically sort on noun phrase, automatically sort on reference number and automatically sort on analyze or automatically sort multiple columns.

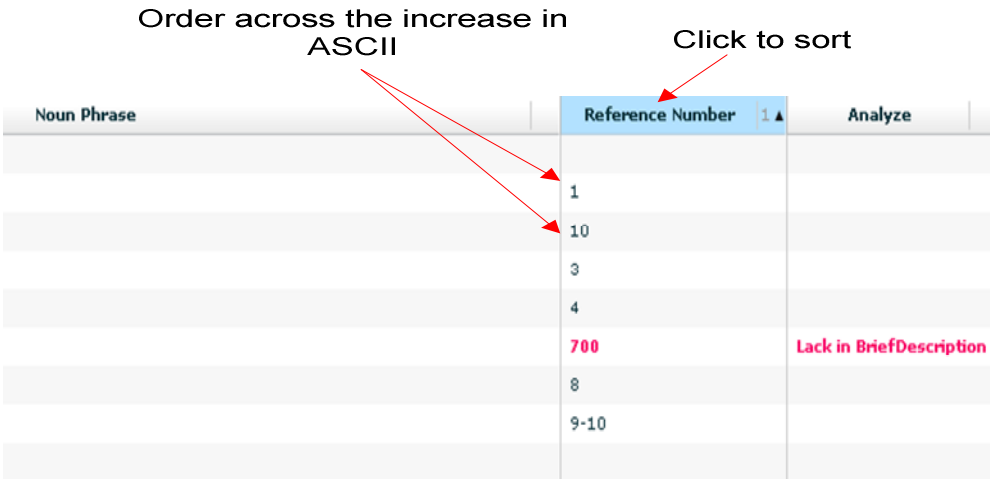
Sort in single column

1. Automatically sort on noun phrase: when you click the header of “Noun Phrases” column, most of noun phrases sort on the increase or the decrease in ASCII code table.

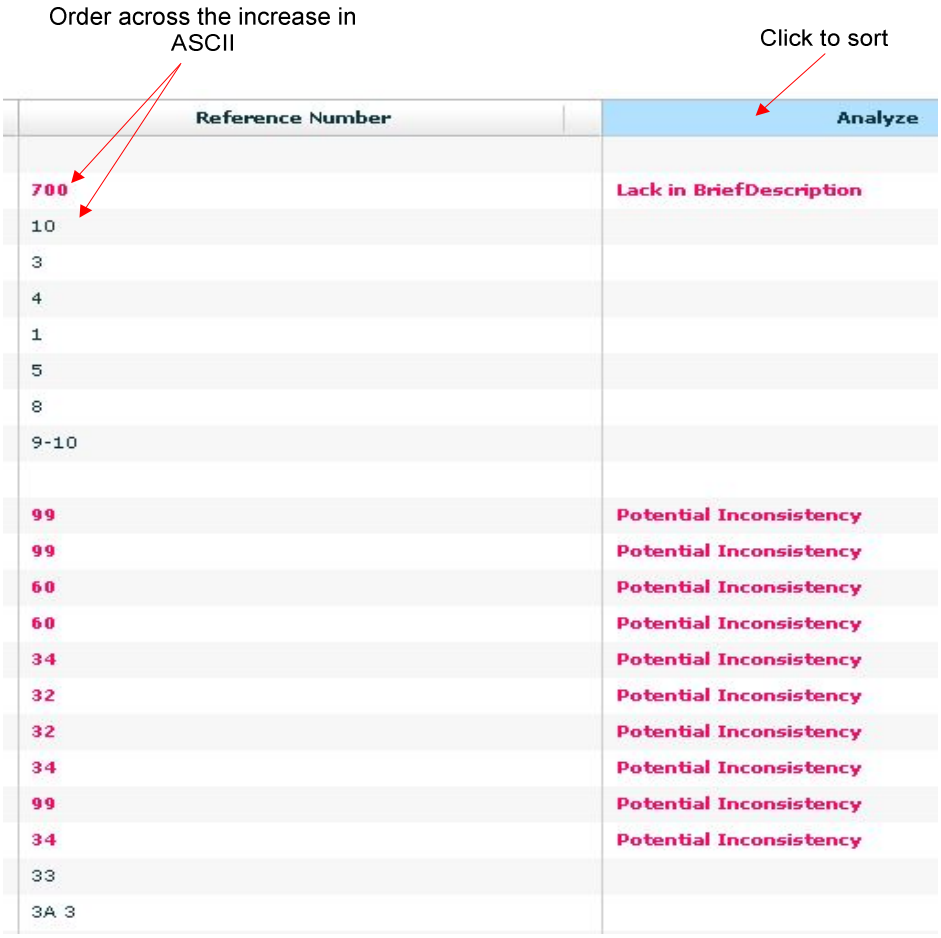


2. Automatically sort on reference number: when you click the header of “Reference Number” column, all numbers will sort to follow the increase or the decrease in ASCII code table.

Note: most of numbers declare "string" so they will sort on ASCII code table.



3. Automatically sort on analyze: when you click the header of "Analyze" column, it will enumerate most of the same status site by site.

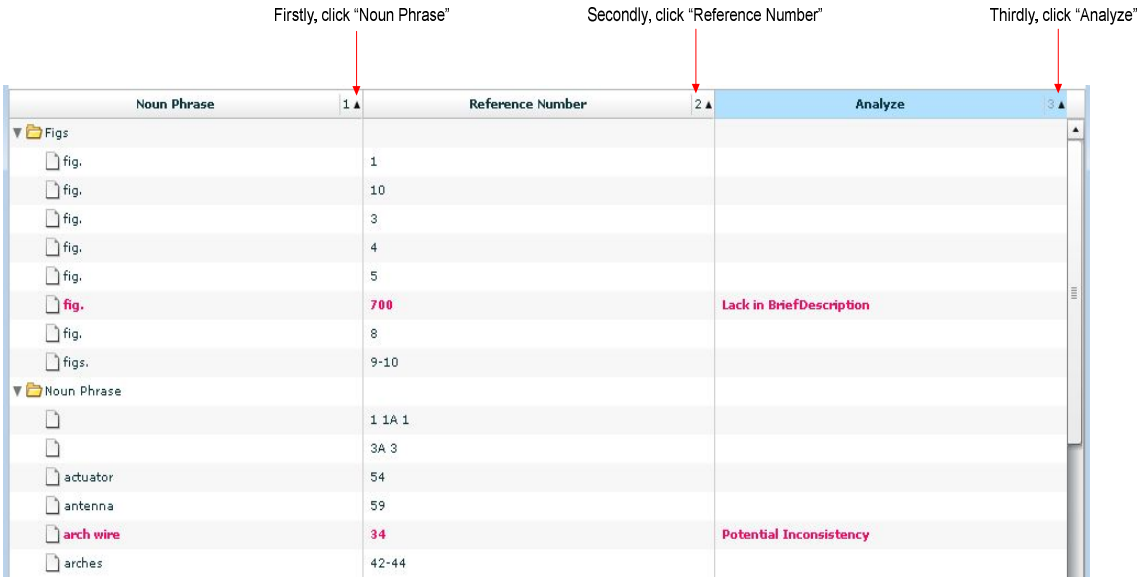


Sort in multiple columns:

Automatically sort on multiple columns. The first column is sorted sequence of noun phrases, the second column is sorted the sequence of reference numbers and the third column is sorted the sequence of analyze status.

Firstly, you sort in “Noun phrase” column. Next, you sort in “Reference Number” column. Finally, you sort in “Analyze” column.

Note: you must click across the advice of arrow.



Noun Phrase 1	Reference Number 2	Analyze 3
Figs		
fig.	1	
fig.	10	
fig.	3	
fig.	4	
fig.	5	
fig.	700	Lack in BriefDescription
fig.	8	
figs.	9-10	
Noun Phrase		
	1 1A 1	
	3A 3	
actuator	54	
antenna	59	
arch wire	34	Potential Inconsistency
arches	42-44	

Chapter 6: Analyze Title and Abstract

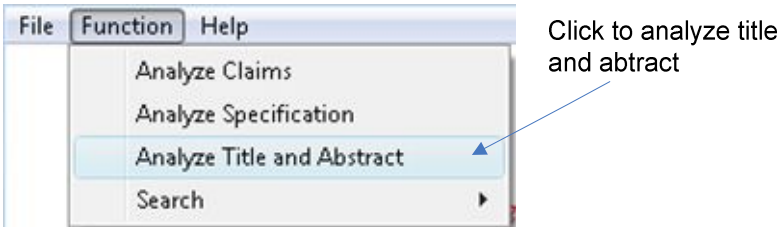
The "Title" and "Abstract" paragraphs of the patent document are limited by the number of characters.

Particularly, follow the standard of the patent document is:

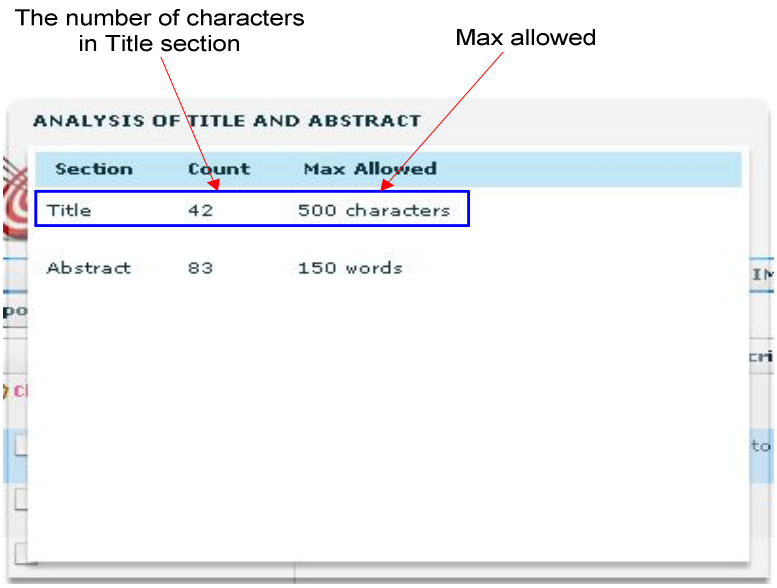
- The "Title" section has max allowed 500 characters.
- The "Abstract" section has max allowed 150 words.

The "Analyze Title and Abstract" helps you count the number of characters in the "Title" section and the number of words in the "Abstract" section.

1. Running the program and opening your patent document.
2. In the PinPoint's menu, click "Function" tab then click "Analyze Title and Abstract" line.

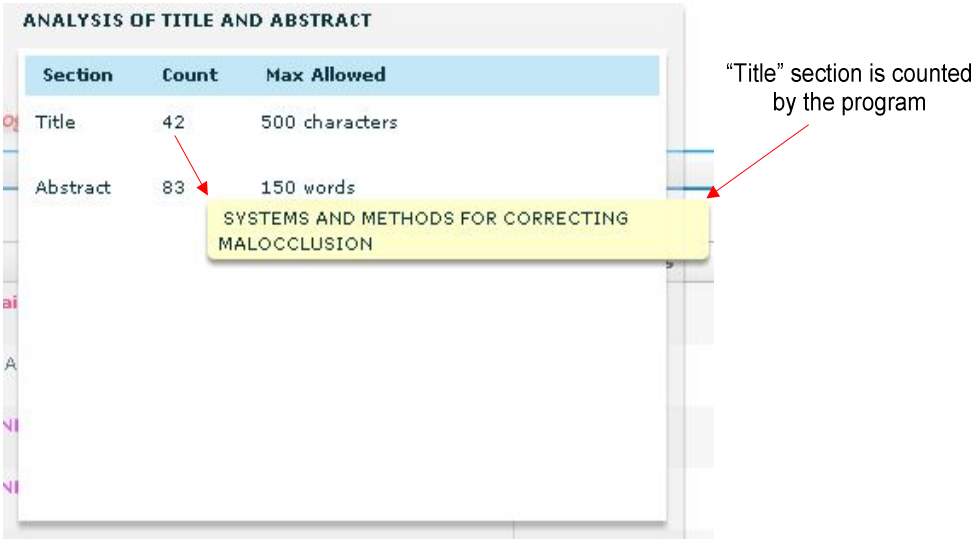


3. The number of characters in the Title:

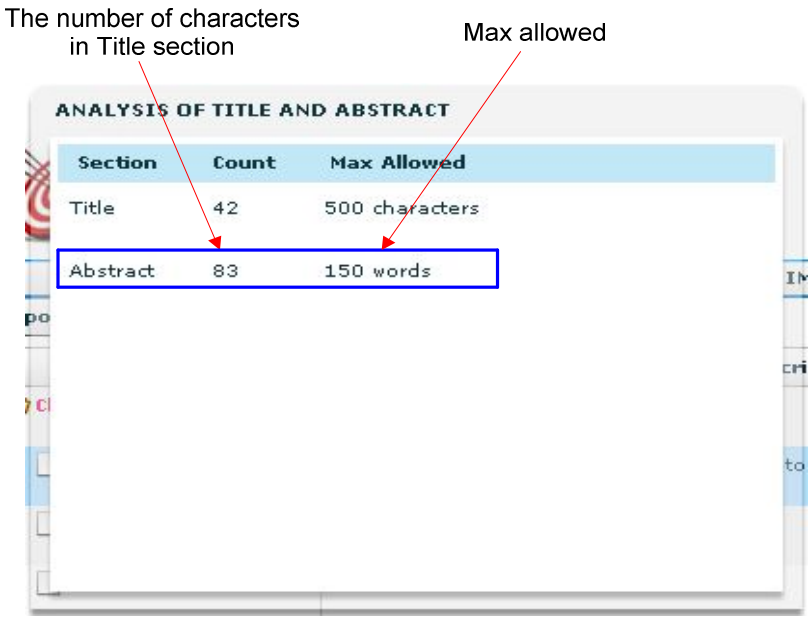


In the example, you can see the number of characters in the "Title" paragraph which are 42 characters while max allowed 500 characters.

4. you can see content of the "Title" section of the patent document by move mouse to the "Title" line.

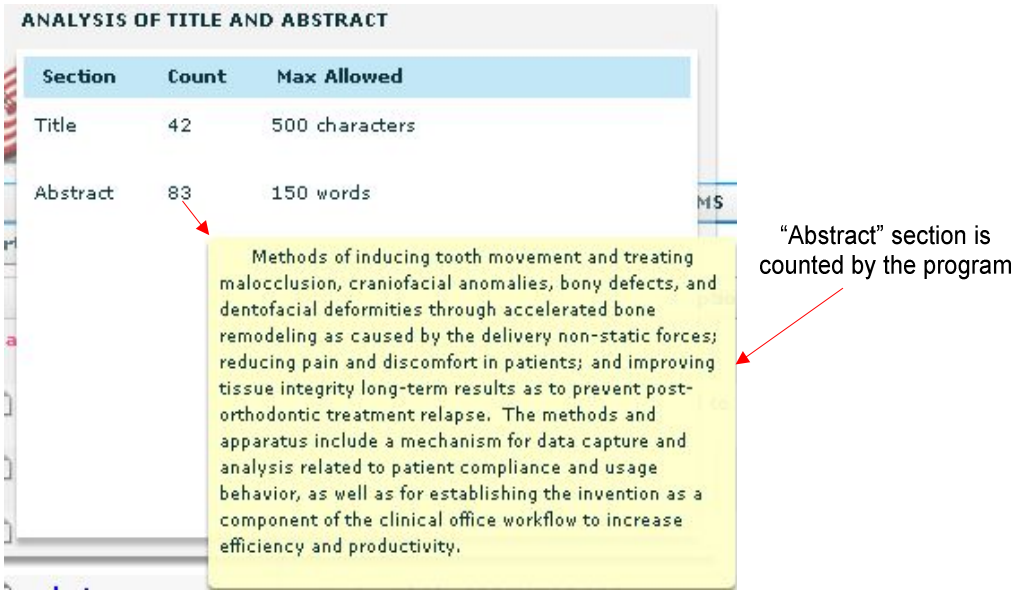


5. The number of words in the Abstract:



In the example, you can see the number of words in the "Abstract" paragraph which are 83 words while max allowed 150 words.

6. You can see content of the "Abstract" section of the patent document by move mouse to the "Abstract" line.


ANALYSIS OF TITLE AND ABSTRACT
Section
Count
Max Allowed
Title
42
500 characters
Abstract
83
150 words
Methods of inducing tooth movement and treating malocclusion, craniofacial anomalies, bony defects, and dentofacial deformities through accelerated bone remodeling as caused by the delivery non-static forces; reducing pain and discomfort in patients; and improving tissue integrity long-term results as to prevent post-orthodontic treatment relapse. The methods and apparatus include a mechanism for data capture and analysis related to patient compliance and usage behavior, as well as for establishing the invention as a component of the clinical office workflow to increase efficiency and productivity.
"Abstract" section is counted by the program

Chapter 7 Search online

The PinPoint service designed specifically to find definitions, synonyms, or variants in your patent documents via direct lookup in a number of online dictionaries, thesauruses and search patent. The program provides three ways to search:

- Search Patent.
- Search Definition.
- Search Synonyms.

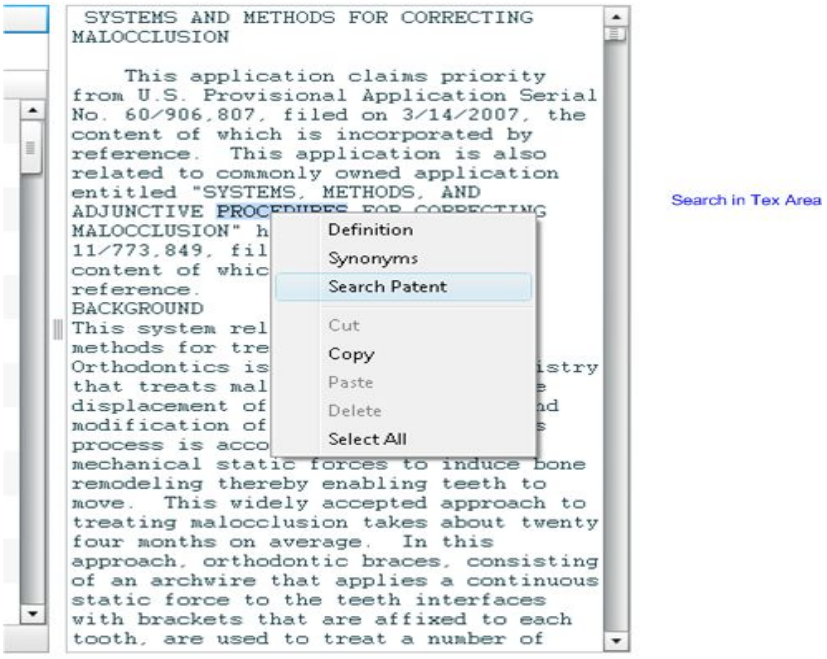
❖ Search in text area and table:

- Search Patent

The PinPoint service it easy to find the meaning of terms used in patent documents. The web search features work by automatically passing some words or terms was directly selected within a patent document to one of a number of websites and display the results of the search.

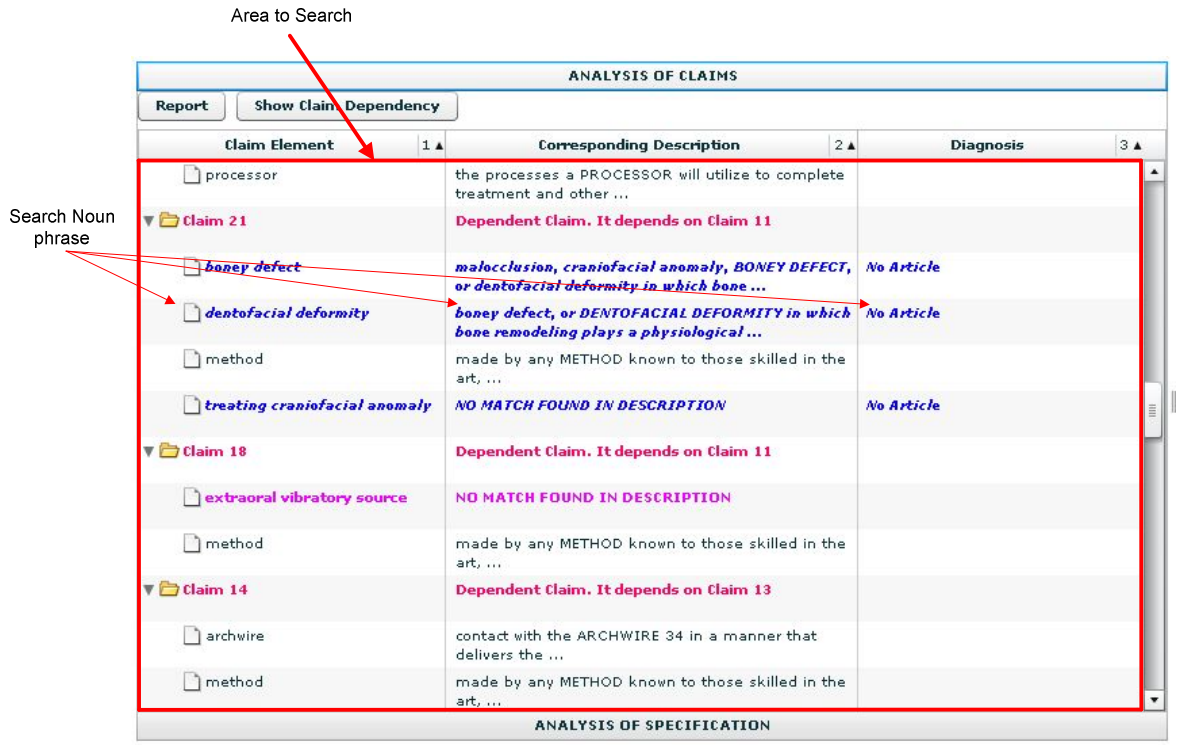
Note: You must have an active internet connection to use feature.

1. In the program's text area, to highlight the word(s) that you want to search on internet.


SYSTEMS AND METHODS FOR CORRECTING MALOCCLUSION
This application claims priority from U.S. Provisional Application Serial No. 60/906,807, filed on 3/14/2007, the content of which is incorporated by reference. This application is also related to commonly owned application entitled "SYSTEMS, METHODS, AND ADJUNCTIVE PROCEDURES FOR CORRECTING MALOCCLUSION" h 11/773,849, fil content of whic reference.
BACKGROUND
This system rel methods for tre Orthodontics is that treats mal displacement of modification of process is acco mechanical static forces to induce bone remodeling thereby enabling teeth to move. This widely accepted approach to treating malocclusion takes about twenty four months on average. In this approach, orthodontic braces, consisting of an archwire that applies a continuous static force to the teeth interfaces with brackets that are affixed to each tooth, are used to treat a number of
Definition
Synonyms
Search Patent
Cut
Copy
Paste
Delete
Select All
Search in Tex Area

2. In the table such as "ANALYSIS OF SPECIFICATION" table or "ANALYSIS OF CLAIMS" table, you click the position in table to search "Noun Phrase".

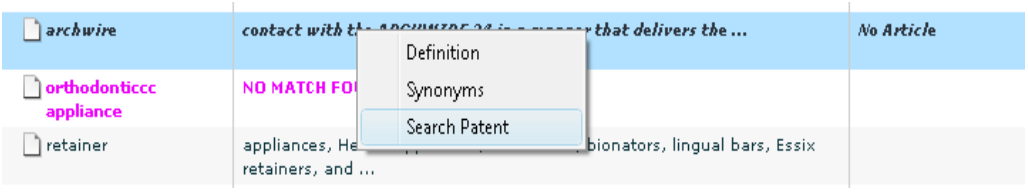
In "ANALYSIS OF CLAIMS" table:


Area to Search
Search Noun phrase
ANALYSIS OF CLAIMS
Report
Show Claim Dependency
Claim Element 1
Corresponding Description 2
Diagnosis 3
processor
the processes a PROCESSOR will utilize to complete treatment and other ...
Claim 21
Dependent Claim. It depends on Claim 11
boney defect
malocclusion, craniofacial anomaly, BONEY DEFECT, or dentofacial deformity in which bone ...
No Article
dentofacial deformity
boney defect, or DENTOFACIAL DEFORMITY in which bone remodeling plays a physiological ...
No Article
method
made by any METHOD known to those skilled in the art, ...
treating craniofacial anomaly
NO MATCH FOUND IN DESCRIPTION
No Article
Claim 18
Dependent Claim. It depends on Claim 11
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
method
made by any METHOD known to those skilled in the art, ...
Claim 14
Dependent Claim. It depends on Claim 13
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
method
made by any METHOD known to those skilled in the art, ...
ANALYSIS OF SPECIFICATION

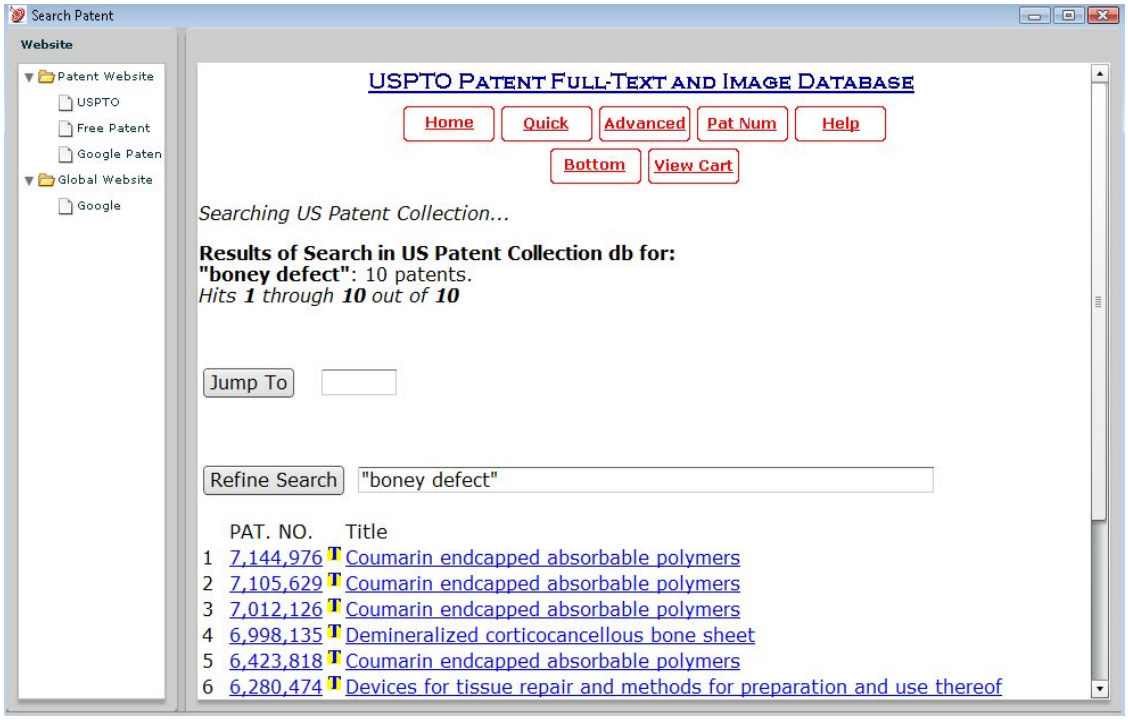
In “ANALYSIS OF SPECIFICATION” table:

The Search function is the same “ANALYSIS OF CLAIMS” table.

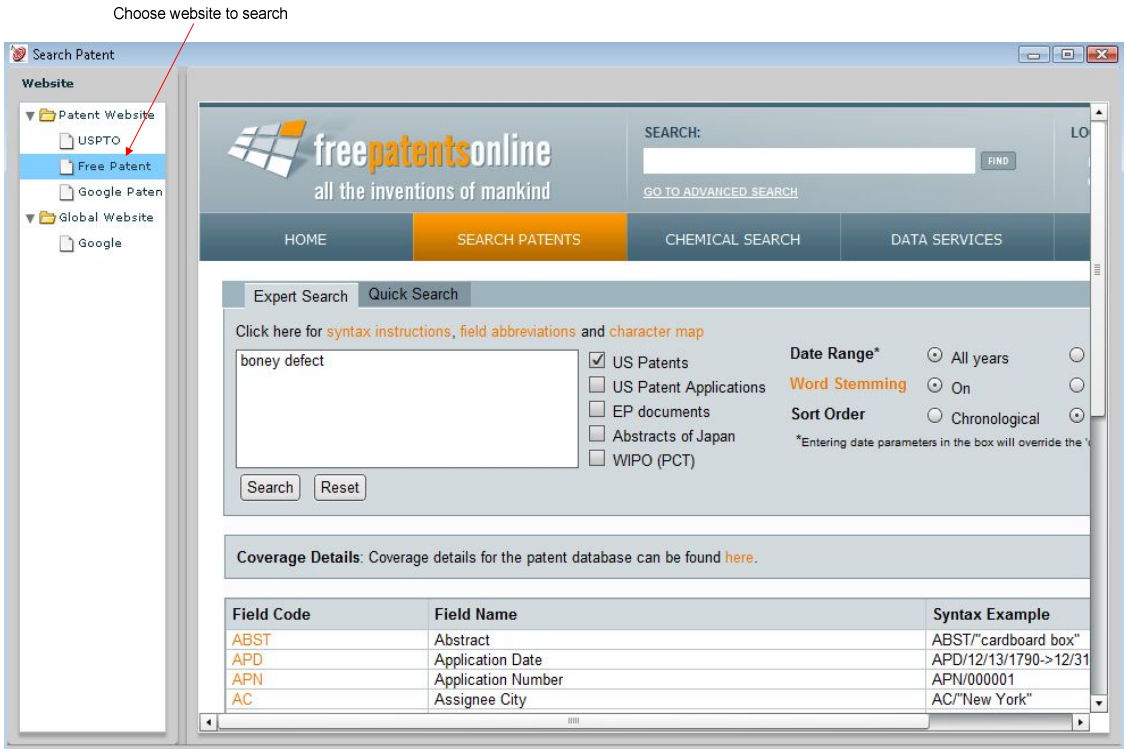
1 Click right-mouse and choose “Search Patent”.



2. The selected word passes to the default search Patent and the results of the search displays as a Web page within the browser pane on the right side of the Web search dialog box. Firstly, the browser pane will load default web site.



3. You can select many Web sites to search by you click left mouse web’s name on the left side of the Search Paten dialog box.

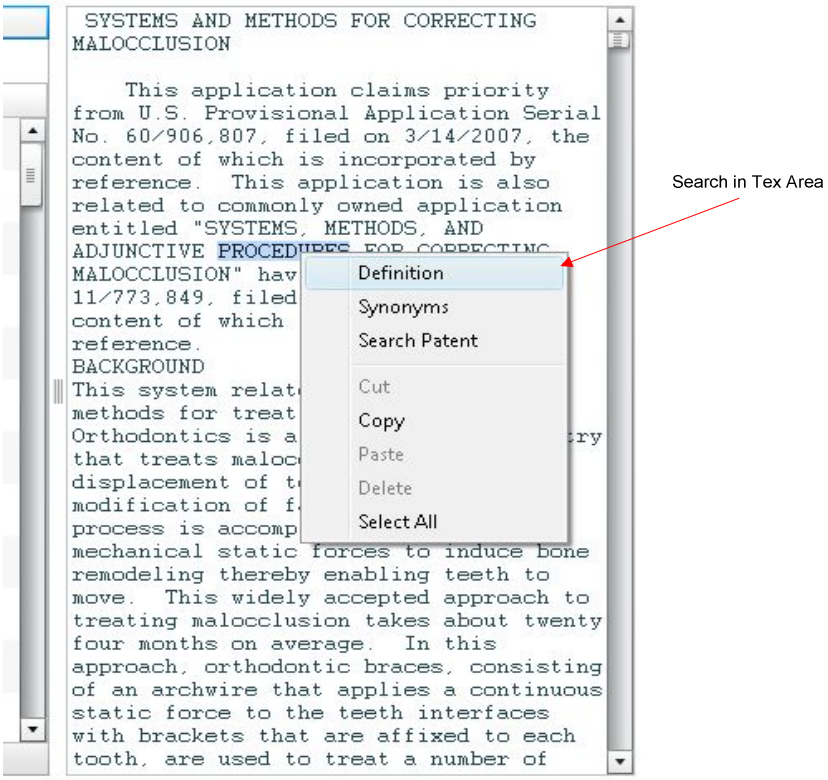


- Search Definition

The PinPoint service it easy to find the meaning of terms used in patent documents. The web search feature works by automatically passing any word or terms was directly selected within a patent document to one of a number of Web-based dictionaries and displaying the results of the search.

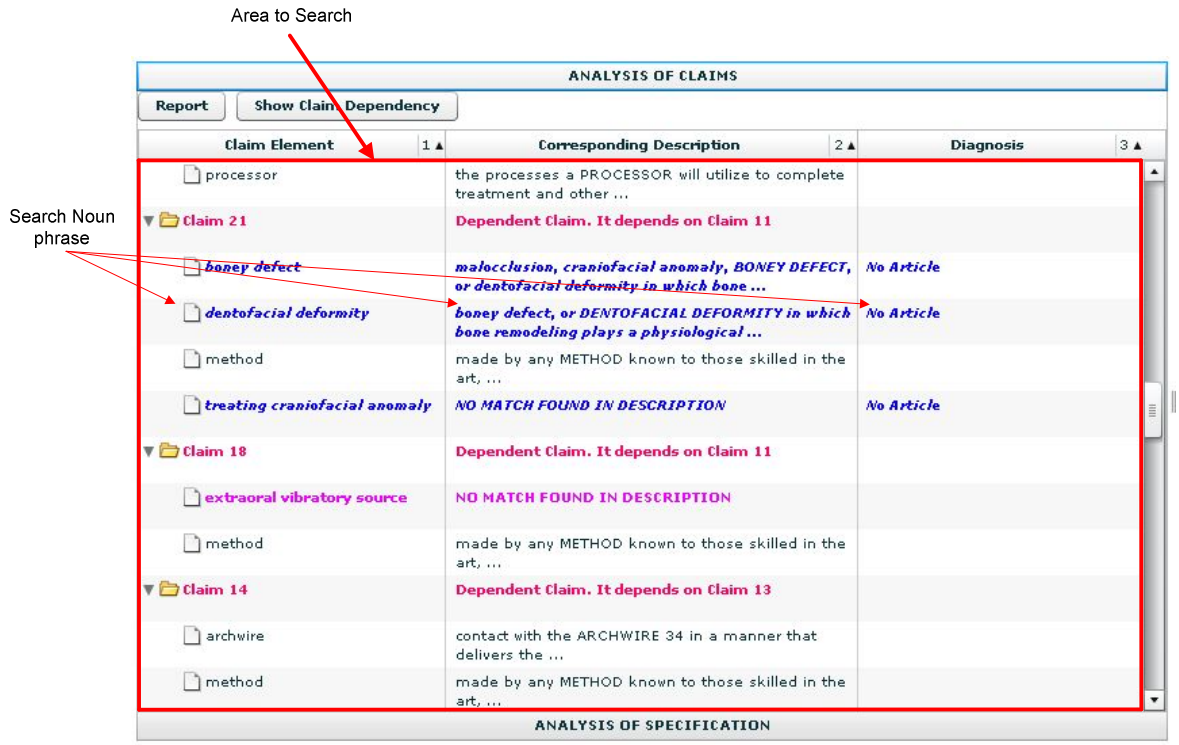
Note: You must have an active internet connection to use feature.

1. In the program's text area, to highlight the word(s) that you want to search on the internet.


SYSTEMS AND METHODS FOR CORRECTING MALOCCLUSION
This application claims priority from U.S. Provisional Application Serial No. 60/906,807, filed on 3/14/2007, the content of which is incorporated by reference. This application is also related to commonly owned application entitled "SYSTEMS, METHODS, AND ADJUNCTIVE PROCED
MALOCCLUSION" hav
11/773,849, filed
content of which
reference.
BACKGROUND
This system relat
methods for treat
Orthodontics is a
that treats maloc
displacement of t
modification of f
process is accomp
mechanical static forces to induce bone remodeling thereby enabling teeth to move. This widely accepted approach to treating malocclusion takes about twenty four months on average. In this approach, orthodontic braces, consisting of an archwire that applies a continuous static force to the teeth interfaces with brackets that are affixed to each tooth, are used to treat a number of
Definition
Synonyms
Search Patent
Cut
Copy
Paste
Delete
Select All
Search in Tex Area

2. In the table such as “ANALYSIS OF SPECIFICATION” table or “ANALYSIS OF CLAIMS” table, you click the position in table to search “Noun Phrase”.

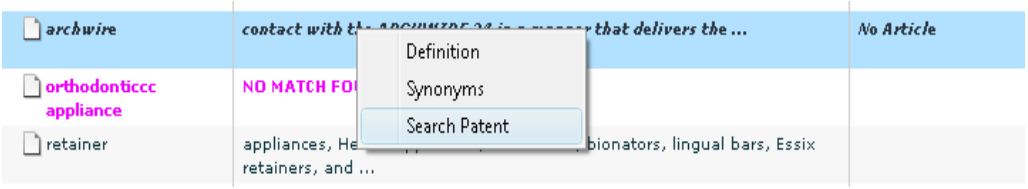
In “Noun Phrase in Claim Section” table:


Area to Search
Search Noun phrase
ANALYSIS OF CLAIMS
Report
Show Claim Dependency
Claim Element
Corresponding Description
Diagnosis
processor
the processes a PROCESSOR will utilize to complete treatment and other ...
Claim 21
Dependent Claim. It depends on Claim 11
boney defect
malocclusion, craniofacial anomaly, BONEY DEFECT, or dentofacial deformity in which bone ...
No Article
dentofacial deformity
boney defect, or DENTOFACIAL DEFORMITY in which bone remodeling plays a physiological ...
No Article
method
made by any METHOD known to those skilled in the art, ...
treating craniofacial anomaly
NO MATCH FOUND IN DESCRIPTION
No Article
Claim 18
Dependent Claim. It depends on Claim 11
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
method
made by any METHOD known to those skilled in the art, ...
Claim 14
Dependent Claim. It depends on Claim 13
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
method
made by any METHOD known to those skilled in the art, ...
ANALYSIS OF SPECIFICATION

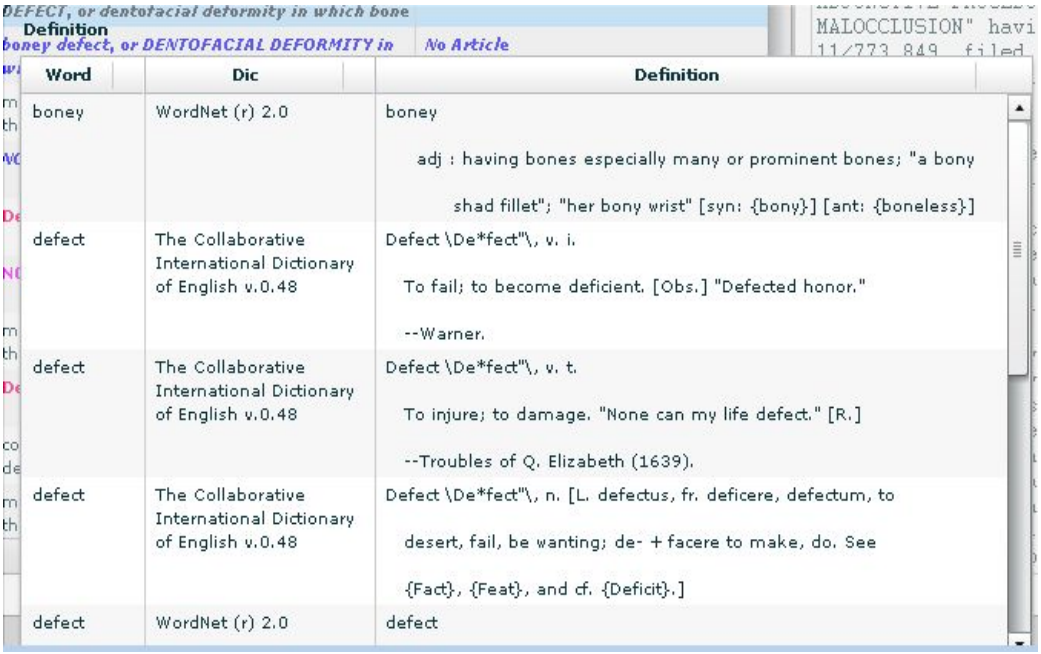
In “ANALYSIS OF SPECIFICATION” table:

The Search function is the same “ANALYSIS OF CLAIMS” table.

3. Click right mouse and choose “Definition”.



The selected word(s) to search definition and the results of the search displayed in a window title.

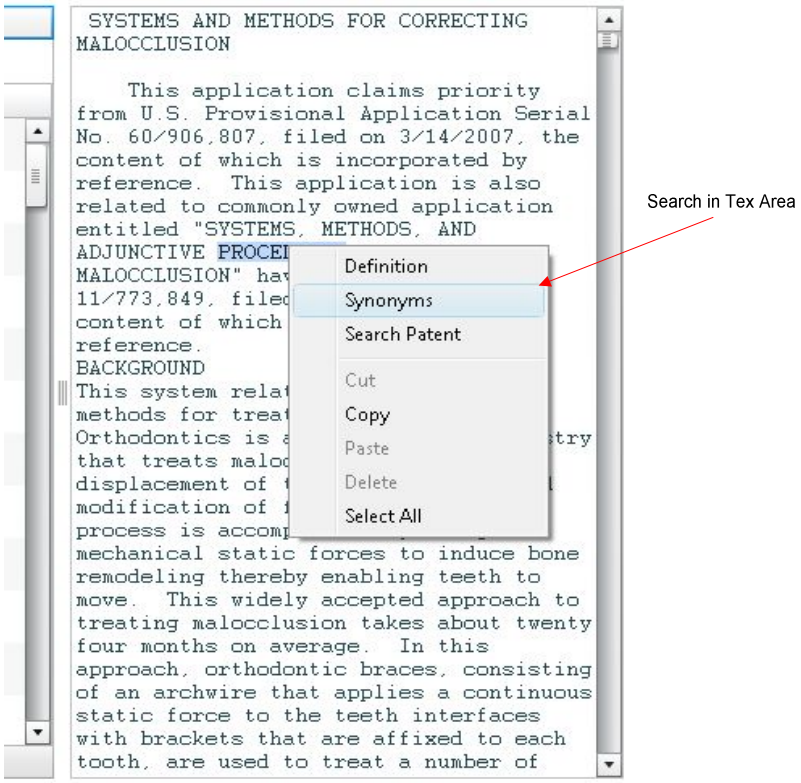

DEFECT, or dentofacial deformity in which bone
Definition
boney defect, or DENTOFACIAL DEFORMITY in
No Article
MALOCCLUSION" havi
Word
Dic
Definition
boney
WordNet (r) 2.0
boney
adj : having bones especially many or prominent bones; "a bony
shad fillet"; "her bony wrist" [syn: {bony}] [ant: {boneless}]
defect
The Collaborative International Dictionary of English v.0.48
Defect \De*fect"\, v. i.
To fail; to become deficient. [Obs.] "Defected honor."
--Warner.
defect
The Collaborative International Dictionary of English v.0.48
Defect \De*fect"\, v. t.
To injure; to damage. "None can my life defect." [R.]
--Troubles of Q. Elizabeth (1639).
defect
The Collaborative International Dictionary of English v.0.48
Defect \De*fect"\, n. [L. defectus, fr. deficere, defectum, to
desert, fail, be wanting; de- + facere to make, do. See
{Fact}, {Feat}, and cf. {Deficit}.]
defect
WordNet (r) 2.0
defect

- Search Synonyms

The PinPoint service it easy to find the meaning of terms used in patent documents. The web search feature works by automatically passing any word or terms was directly selected within a patent document to one Web-based dictionary and displaying the results of the search.

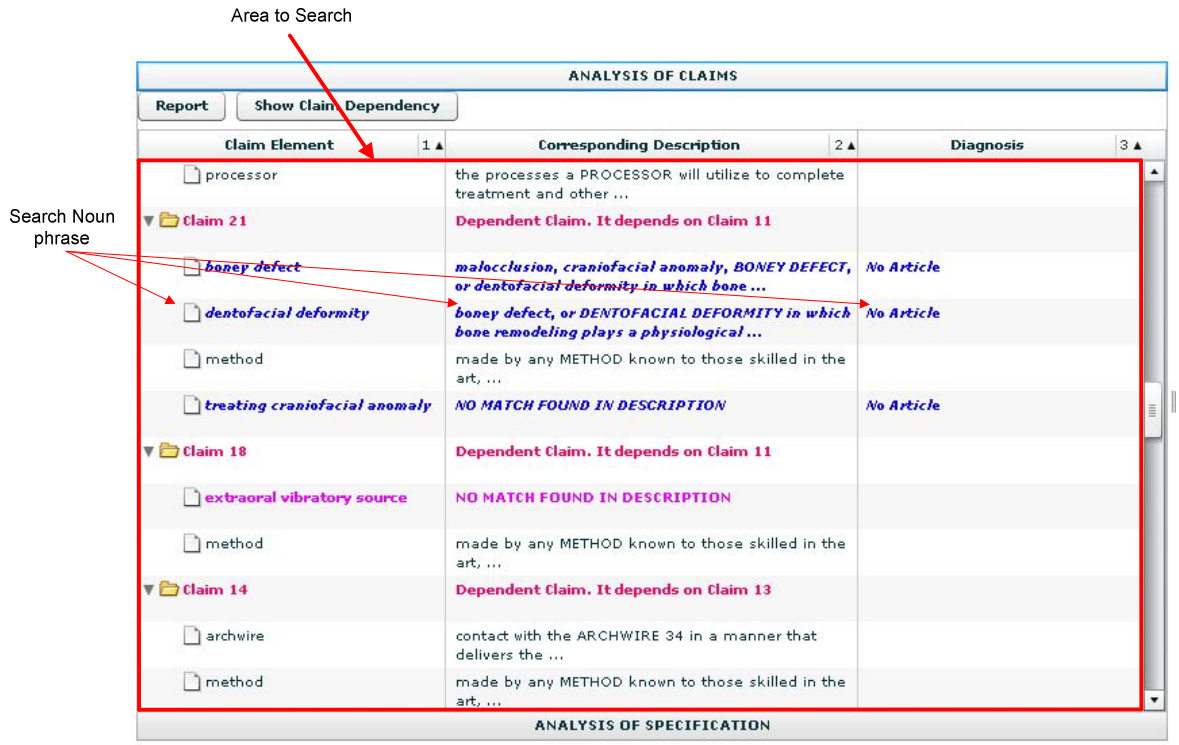
Note: You must have an active internet connection to use feature.

1. In the program's text area, to highlight the word(s) that you want to search for on the internet. You can search synonyms of a word or a string in your patent document.


SYSTEMS AND METHODS FOR CORRECTING MALOCCLUSION
This application claims priority from U.S. Provisional Application Serial No. 60/906,807, filed on 3/14/2007, the content of which is incorporated by reference. This application is also related to commonly owned application entitled "SYSTEMS, METHODS, AND
Definition
Synonyms
Search Patent
Cut
Copy
Paste
Delete
Select All
Search in Tex Area
BACKGROUND
mechanical static forces to induce bone remodeling thereby enabling teeth to move. This widely accepted approach to treating malocclusion takes about twenty four months on average. In this approach, orthodontic braces, consisting of an archwire that applies a continuous static force to the teeth interfaces with brackets that are affixed to each tooth, are used to treat a number of

2. In the table such as “ANALYSIS OF SPECIFICATION” table or “ANALYSIS OF CLAIMS” table, you click the position in table to search “Noun Phrase”.

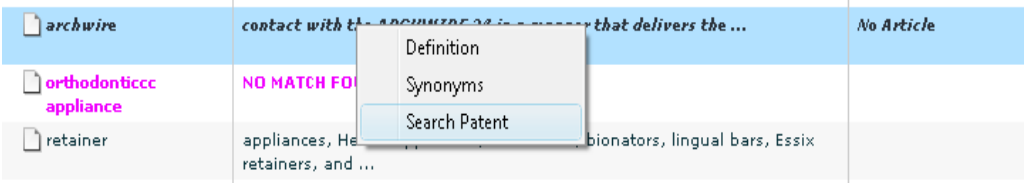
In “Noun Phrase in Claim Section” table:


Area to Search
Search Noun phrase
ANALYSIS OF CLAIMS
Report
Show Claim Dependency
Claim Element 1
Corresponding Description 2
Diagnosis 3
processor
the processes a PROCESSOR will utilize to complete treatment and other ...
Claim 21
Dependent Claim. It depends on Claim 11
boney defect
malocclusion, craniofacial anomaly, BONEY DEFECT, or dentofacial deformity in which bone ...
No Article
dentofacial deformity
boney defect, or DENTOFACIAL DEFORMITY in which bone remodeling plays a physiological ...
No Article
method
made by any METHOD known to those skilled in the art, ...
treating craniofacial anomaly
NO MATCH FOUND IN DESCRIPTION
No Article
Claim 18
Dependent Claim. It depends on Claim 11
extraoral vibratory source
NO MATCH FOUND IN DESCRIPTION
method
made by any METHOD known to those skilled in the art, ...
Claim 14
Dependent Claim. It depends on Claim 13
archwire
contact with the ARCHWIRE 34 in a manner that delivers the ...
method
made by any METHOD known to those skilled in the art, ...
ANALYSIS OF SPECIFICATION

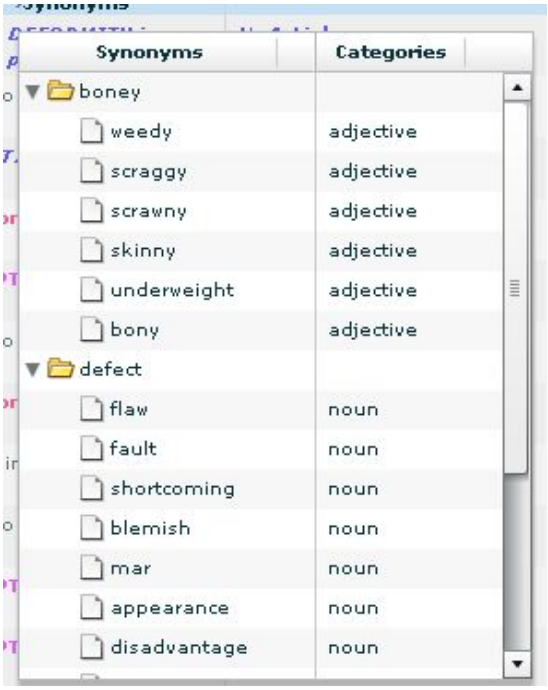
In “ANALYSIS OF SPECIFICATION” table:

The Search function is the same “ANALYSIS OF CLAIMS” table.

3. Click right mouse and choose “Synonyms”.

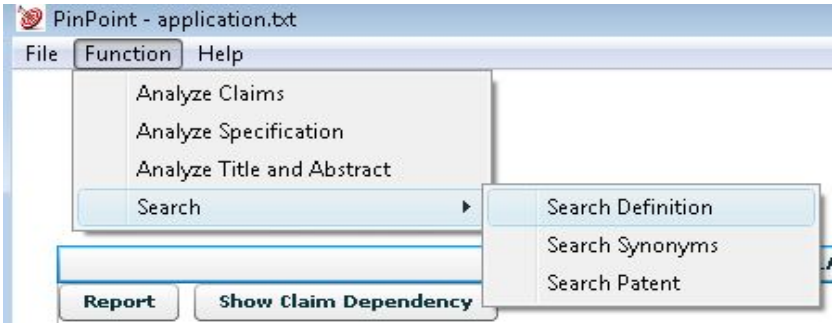


The selected word(s) to search synonyms and the results of the search displayed in a window title.

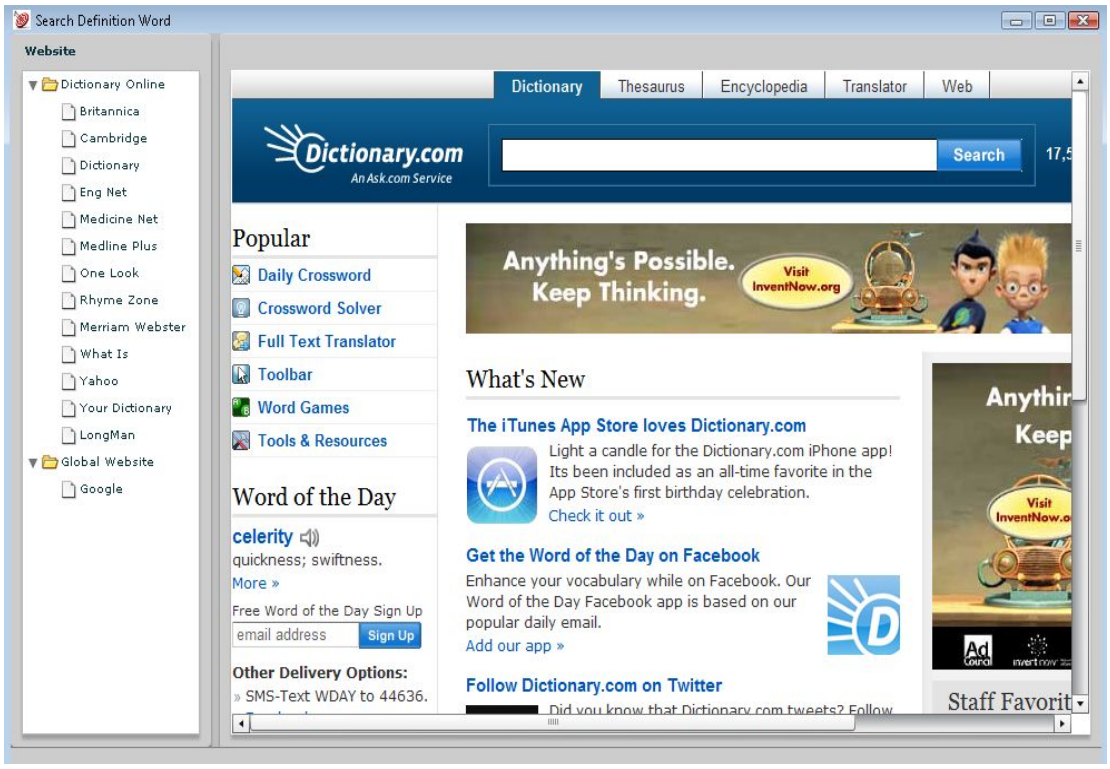


❖ Manual search:

You can manual search by click “Function” menu then choose “Search Definition”, “Search Synonyms” or “Search Patent” function.



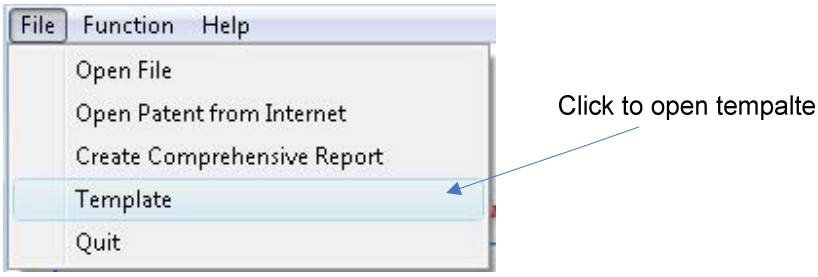
After click search function, a form will show to help you put word(s) that you want to search.


Search Definition Word
Website
Dictionary Online
Britannica
Cambridge
Dictionary
Eng Net
Medicine Net
Medline Plus
One Look
Rhyme Zone
Merriam Webster
What Is
Yahoo
Your Dictionary
LongMan
Global Website
Google
Dictionary
Thesaurus
Encyclopedia
Translator
Web
Dictionary.com
An Ask.com Service
Search
Popular
Daily Crossword
Crossword Solver
Full Text Translator
Toolbar
Word Games
Tools & Resources
Word of the Day
celerity
quickness; swiftness.
More »
Free Word of the Day Sign Up
email address
Sign Up
Other Delivery Options:
» SMS-Text WDAY to 44636.
Anything's Possible.
Keep Thinking.
Visit InventNow.org
What's New
The iTunes App Store loves Dictionary.com
Light a candle for the Dictionary.com iPhone app! Its been included as an all-time favorite in the App Store's first birthday celebration.
Check it out »
Get the Word of the Day on Facebook
Enhance your vocabulary while on Facebook. Our Word of the Day Facebook app is based on our popular daily email.
Add our app »
Follow Dictionary.com on Twitter
Staff Favorit

Chapter 8 Template

When you want to write a patent document, you can open template to write your patent document. The template will help you to write a standard patent document.

Opening the “template” by you click “template“ from “File” tab in menu of the program.



Right now, a file “PatentAppTemplate.doc” opens. It has standard frame in the following:

Attorney Docket No.:
Client Reference No.:

PATENT APPLICATION

TITLE

Inventor(s):

Assignee: (NAME)
(ADDRESS

Status: Large/Small Entity

TITLE OF APPLICATION

CROSS-REFERENCES TO RELATED APPLICATIONS
This section is NOT required if priority data is included in the Application Data Sheet (ADS). However, include this section to incorporate other references
REMOVE 'NOT APPLICABLE' IF TEXT IS ADDED FOR THIS SECTION

[01] NOT APPLICABLE

STATEMENT AS TO RIGHTS TO INVENTIONS MADE UNDER FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

[02] NOT APPLICABLE

REFERENCE TO A "SEQUENCE LISTING," A TABLE, OR A COMPUTER PROGRAM LISTING APPENDIX SUBMITTED ON A COMPACT DISK. Incorporation by reference of the material on compact disk, including total number of CDs including duplicates and files on each CD REMOVE 'NOT APPLICABLE' IF TEXT IS ADDED FOR THIS SECTION

[03] NOT APPLICABLE

BACKGROUND OF THE INVENTION

[04]

BRIEF SUMMARY OF THE INVENTION

[05]

BRIEF DESCRIPTION OF THE DRAWINGS

[06]

DETAILED DESCRIPTION OF THE INVENTION

WHAT IS CLAIMED IS:

ABSTRACT OF THE DISCLOSURE

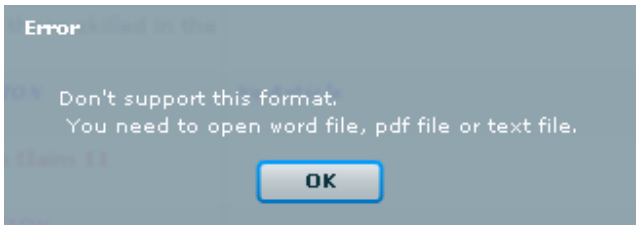
FIG. 1

FIG. 2

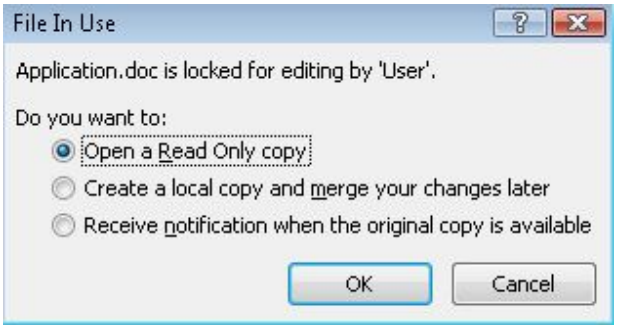
Chapter 9 Error when use the program

1. Error will meet with the format file when the program opens file:

When you open your patent document but you don't choose exactly files that their expansions are (*.doc), (*.docx), (*.txt) or (*.pdf), the program will show error's comment in the following figure:



2. You can only edit noun phrases one times and wait to complete then continue to edit so the program will show error's comment if you edit noun phrase twice continuously in the "ANALYSIS OF CLAIMS" and "ANALYSIS OF SPECIFICATION" table . Because, when you click to edit noun phrase, the original patent document will open to change claims and noun phrases then you must exit your patent document and open again it. If you don't exit your patent document and you continue click to edit, an error comment will show in the following figure:


File In Use
Application.doc is locked for editing by 'User'.
Do you want to:
Open a Read Only copy
Create a local copy and merge your changes later
Receive notification when the original copy is available
OK
Cancel